

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [11026] 15 meter Neophyte
Message-ID: <199702051321.IAA28705@alig1.firewall.lucent.com>

Wayne Burdic's 15m Neophyte design receiver
appeared in QST - Nov. 1991 pg 51.

I have some xtals, but 100 mh chokes are
hard to find.

W1FMR

PS... SASE for copy of article.

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [11029] 160m no-net
Message-ID: <199702051327.IAA01121@alig1.firewall.lucent.com>

Listen for NN1G, W1FMR, AA1IK on 160m on Thursdays
at 8 pm on 1.810 MHz. (Before the Colorburst Sprint)

(A \$50, SWL-160 transceiver kit provides an easy/cheap
way to get on 160m)

W1FMR

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: AC6JA@aol.com
Subject: [11043] 38 special w/KC1?
Message-ID: <970205094323_1727630305@emout17.mail.aol.com>

am presently trying to interface a kc-1 with my 38 special. has anyone else
attempted or got the two working together? so far i have cut out all the
existing sidetone parts from the 38special board as if i was gonna use the
tick keyer. also wired up mute circuit to quiet receiver during telemetry.
now able to use kc-1 sidetone instead of the thumping sidetone of the
38special. still haven't been able to read the vxo signal with the kc-1.

changed the resistor value on the kc-1 in order to raise the signal level.
tried different values caps to pick off the signal. still no freq readings.
any help in this arena?
thanks!

Mike AC6JA

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [11010] 38 Specials Shipped and missing parts, too!!!
Message-ID: <8D1653D.0004000600.uuout@cheaha.com>

-> Jim Cates is absolutely amazing. He shipped 250 38 Specials in ONE
-> DAY!! We have now shipped all 747 kits that have been ordered so far.
-> Just think about this guys. NorCal packed and shipped 747 kits
-> starting Jan. 13th, and finished on Feb. 3. That is 3 weeks. In
-> that time, we ran out of boards,

Excellent job to all the NorCal crew!!! Ya'll have succeeded at
something that I think would make the commercial companies stutter. All
the way from a napkin-design to populating 30 meters, FB!!!!

I ordered three kits...one for me, one for a friend(Ed, WB9RAA) in
Illinois, and one for prosperity. :)

The NC38S for my Illinois friend is traveling at the speed of light at
this very moment on a super-charged UPS Klingon warship to this
unsuspecting QRO friend. He likes to tinker and has even built me a
small keyer that works nicely, though it's in the same box with
the kit heading back to him for a final burn-in of the memory. Little
does he know that this innocent little kit will change his seemingly
normal ham-life forever!!! ;)

Anyhow, the day before I was going to UPS the kit to Ed(my friend, not
me) I decided to count the part in my two kits. Well, the .1uf caps
were missing in both and one had the choke missing. Hmmm, I figured I
might better check Ed's(my friend in Illinois, not me) kit. His was
missing the .1uf caps and the choke, also. Well, I sent email to Jim
Cates about the parts and he said he'd forward my message to Doug. No
more contact was made until a few days later an envelope arrived
from Doug with the missing parts inside. Dang...wish some of the *mega*
sized companies had this kinda service!!!! Excellent!!!! Tnx!!!!

The NorCal crew exemplifies the idea of ham radio. Goodwill and the
forwarding of the hobby of amateur radio. Dedication, conviction, a
desire to help, enjoyment of sharing their knowledge, pride, and many

other fine attributes can be given to this group....and by group I mean the folks that are designing, building, testing, waiting, using, experimenting, and sharing ideas within this mailing list. Ham radio is a great hobby.....but it's the blood and flesh sitting in front of the rigs that makes it great.

QRP, CW, Ham Radio.....long live them all!!!!

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

```

+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997

From: bcutter@teal.csn.net (Bob Cutter)

Subject: [11040] 38S Help

Message-ID: <199702051428.HAA06752@mailrelay.csn.net>

This is the first project in which I have used Teflon hookup wire and coax, what a difference!

Receiver works well, TC1 peaks and signals seem good and strong. However no power out and TC2 does not vary the keyed, good sounding sidetone. This is a stock unit and no obvious errors. Any suggestions?

72, Bob KI0G

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997

From: Paul Harden <pharden@aoc.nrao.edu>

Subject: [11100] 38S: IC Test Voltage Table

Message-ID: <199702052358.QAA08507@zia.aoc.nrao.edu>

DIAGNOSTIC VOLTAGE MEASUREMENTS FOR THE "38 SPECIAL"

Voltage measurements are VDC unless otherwise indicated, using

a DVM or voltmeter in both receive and transmit modes. Due to variations in voltmeters and Vcc, voltages below are +/- 0.2v. 38-Special measured has 5W amplifier, but NO RIT or keyer mod.

NOTE: U1-3 = U3, pin 3.

On XMIT voltages, ensure you are connected to a dummy load.

U1 NE602 RCV Mixer			U3 NE602 TX Mixer/ Prod. Detector			U5 NE5532 Audio Filter/Amp		
	RCV	XMIT		RCV	XMIT		RCV	XMIT

U1-1	1.4V	1.7V	U3-1	1.4V	1.4V	U5-1	3.9V	3.9V
U1-2	1.4	2.2	U3-2	1.4	1.4	U5-2	3.9	3.9
U1-3	0	0	U3-3	0	0	U5-3	3.9	3.9
U1-4	6.7	4.7	U3-4	6.7	6.7	U5-4	0	0
U1-5	6.7	4.7	U3-5	6.7	6.7	U5-5	3.9	3.9
U1-6	7.4	7.4	U3-6	7.7	7.7	U5-6	3.9	3.9
U1-7	6.6	6.5	U3-7	7.0	7.0	U5-7	3.9	3.9
U1-8	7.8	7.8	U3-8	7.8	7.8	U5-8	7.8	7.8

U2 CD4066 Switch			U4 HC240 Drivers, PA and sidetone osc.					
	RCV	XMIT		RCV	XMIT		RCV	XMIT

U2-1	7.8V	7.8V	U4-1	5.7V	0V	U4-11	7.8V	3.5V
U2-2	7.8	0	U4-2	0	4.2	U4-12	0	3.6
U2-3	7.8	0	U4-3	0	4.0	U4-13	5.7	0
U2-4	0	0	U4-4	0	4.3	U4-14	0	3.6
U2-5	0	7.6	U4-5	7.8	3.8	U4-15	0.6	3.8
U2-6	0	7.6	U4-6	0	4.4	U4-16	0	3.6
U2-7	0	0	U4-7	0	7.6	U4-17	7.8	3.8
U2-8	0	6.6	U4-8	0	4.4	U4-18	0	3.6
U2-9	6.6	6.6	U4-9	0	4.4	U4-19	0	0
U2-10	6.6	6.6	U4-10	0	0	U4-20	7.8	7.8
U2-11	6.6	6.6	-----					
U2-12	5.6	0						
U2-13	5.6	0						
U2-14	7.8	7.8						

Q1 2N3904 RF Driver & bi-phase franistan		
	RCV	XMIT

Q1-E	0V	0.9V
Q1-B	0.6	1.5
Q1-C	7.8	3.5

DIODES (-A= Anode/band end -K =cathode)

```

-----
D1-A  D1-K  D2-A  D2-K  D4-A  D4-K  D5-A  D5-K
-----
4.8V  5.4V  4.8V  5.4V  5.7V  5.7V  5.7V  5.7  <--- RCV
7.6   7.8   7.6   7.8   0     0     0     0  <--- XMIT -300mW
8.1   7.4   8.1   7.3   0     0     0     0  <--- XMIT - 5Watts
-----

```

```

-----
D6-A  D6-K  D7-A  D7-K  D8-A  D8-K
-----
5.7   6.1   0.1   0.6   0.1   0.6  <--- RCV
0     0.5   7.6   1.5   7.6   3.9  <--- XMIT, either power
-----

```

```

D3-A  0-8V, depending on setting of the TUNE pot
D3-K  0V (ground)

```

AC VOLTAGES - Most of the *AC* voltages in the 38-S are too small to register on a DVM/voltmeter, except as follows:
 HC240 RF output at U4-12,14,16 = 0.14Vac on XMIT (approx.)

NE5532 Audio output at U5-1 registers about 0.05Vac on XMIT and about 0.03Vac on RCV with a moderately strong signal.

If you're having problems with your 38-Special ...
 Check the voltages listed above in both receive and transmit.
 Since most of the voltages are switched on and off fairly hard between RCV and XMIT, a problem should be evident. A measured voltage that is close to the above is probably OK. Voltages on the NE5539 are primarily the 1/2Vcc biasing (virtual ground), developed by R25, R26 and C38.

GL, Paul NA5N

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
 From: "Thomas J. Whalen" <whalen@swcp.com>
 Subject: [11082] 49er
 Message-ID: <Pine.SUN.3.91.970205131801.4280A-100000@kitsune.swcp.com>

Still waiting for a response from all you 49er kit guru's! Need to know about the jumper #4. Manual mentions it, but the board has no place for it that I can see. Got to go to the salt mine and will check later tonight. Thanks in advance. Tom WB5QYT

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [11065] 49er info
Message-ID: <Pine.SUN.3.91.970205105046.21111A-100000@kitsune.swcp.com>

Hi All! I just finished building the 49er and I must say it was a really fun to build. Reminds me of the old Heathkit days! Only one question, and that is the manual mentions jumpers J1,2,3&4. I did not see a place for jumper # 4. I,m ready to do a smoke test after I find out about this jumper. Waiting sort of patiently! Tom WB5QYT

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Watson, Dan" <danw@NTOS.tandem.com>
Subject: [11078] ?? Rainbow Tuner ??
Message-ID:
<c=US%a=_%p=Tandem_Computers%l=SLEEZY-970205194804Z-5722@sleezy.ntos.tandem.com>

Hi,

I have not been following the list closely enough, I guess, because I have completely missed the info on what the Rainbow Tuner is, whether or not the ordering process has started, whom do I contact for more information, etc.

Would someone enlighten me, please?

Thanks,

Dan
AC6PI

danw@ntos.tandem.com

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [10997] AB7TK the "Fox"
Message-ID: <Pine.A41.3.95.970204201753.19264A-100000@hector.NMSU.Edu>

Got em! Randy was going strong on 7.037 (+/-) Lots of digital qrm but not like last night! Go get him!

Tim AB50U

Las Cruces, NM

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: ukii@megsinet.net (ukii)
Subject: [10996] Antenna Connector, did You know...
Message-ID: <01BC12DE.B086DF80@randolph2e6-19.megsinet.net>

Hello Gang...

Excuse the message but I had see if I rediscovered the wheel,or I found something that may have slipped through the cracks. I was looking in my junk drawer (box was too small) for some stuff to fix my 38s. nyway,I came across a BNC type test adapter. It has a BNC on one end,and the other end has two terminals for test probe leads. It is a scope whatchmacallit so you can use regular test leads and plug it into the BNC on the scope... While looking at the 38's antenna connector,it dawned on me,That thing would be great for dipoles! It has 2 screw type terminals with holes,well I think you guys know what I am talking about... anyway,anyone using this already,or is this brainstorm for naught?
Thanks all...
73 de john
(had to vent some steam,darn 38s still shootin blanks!)

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: na5k@juno.com (Smitty Smith)
Subject: [11056] Band plan question.
Message-ID: <19970205.105448.13310.0.na5k@juno.com>

Yesterday, I was chatting with a Packet user who said that 7.030 was some sort of DX Packet frequency. He was blasting away on the frequency yesterday morning.

Is this true?

CUL,

Smitty, NA5K

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Scott Bauer <ke3nv@erols.com>
Subject: [11075] buying gear via internet
Message-ID: <199702051911.0AA11780@smtp3.erols.com>

I would like to know if anyone here has purchased, or tried to purchase a 49er kit from a fellow in Toronto. Please reply directly if you have.

Scott
72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
Fists 1502 QRP Nut SWL Truck Pilot ARRL
Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40
S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80, all Sensational rigs.
38 special at 300mw

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [11028] Colorburst Sprint
Message-ID: <199702051324.IAA29759@alig1.firewall.lucent.com>

Each Thursday in Feb & March, from 9 - 10 pm EST
on 3.579 MHz, listen for the Colorbursters.

W1FMR

PSSASE for Schematic of Colorburst transmitter.

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: QLF%mini@magic.itg.ti.com
Subject: [11091] COMPLETED TiCK KEYER
Message-ID: <9702052213.AA21212@itg.ti.com>

From: Brad Bradfield QLF

Subj: COMPLETED TiCK KEYER

I've completed building my TiCK keyer (packaged seperately from the NC38S) and wanted everyone to know how well it operates. Nice keyer at a great (read that GREAT!) price. Should easily replace the no longer available Curtis keyer.

Y'all will like my packaging. Maybe I can get Chuck to put some pictures on his web page.

72's es 73's,

Brad, WB0CGH

```
*****
Brad Bradfield, PE                      Electrical Design Engineer
(H) 817-321-2960                        Texas Instruments, Inc.
(W) 972-462-6230                        (Soon to be: Raytheon/TI Systems)
                                         Real men talk with their fingers!
*****
```

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997

From: Norbert.Heyder@ri.dasa.de

Subject: [11072] CQ for qrp-l on 14.060Mc done

Message-ID: <9702051842.AA03613@mail-s.ri.dasa.de>

Hi all,

I'm back from the stn upstairs and now agn down in my office at the workstation. The only QRP-DX I got was KV7X, Jay on 14.060Mc(he reported his QTH 30 miles off the location of INDEX Labs, hi - what a small world!).

Heard a lot of "USofA"(Chuck, I like this term) call signs but failed to get in contact with them.

For a next try I'll let you know right in time before.

For you there from the QRP-L gang its much easier to get into QS0 each other.

Would really like to have it also 'intercontinental'!

HPE CU on next try, 72 de Bert DL8BDF

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997

From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)

Subject: [11032] Dayton

Message-ID: <199702051339.IAA05810@alig1.firewall.lucent.com>

I just talked with Myron Koyle, N8DHT.

(ARCI Trasurer, and Dayton roomkeeper)

He is having serious health problems,
but also high hopes for recovery.

Your patience, and concern is very much appreciated.

W1FMR

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: jerryh@webzone.net (Jerry Henshaw)
Subject: [11097] Dec QRPP ???
Message-ID: <01BC1386.A1D57E80@pm1.ppp16.webzone.net>

Hi Gang,

Am I the only one who hasn't received their December QRPP
yet??

Just wondering.

73's

Jerry Henshaw
KR5L / QRP
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999
49er, ARK 20, Wilderness Sierra, 38 Special

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: NJBIRDMAN <jsielke@pobox.com>
Subject: [11087] Digital Disp for Sierra?
Message-ID: <Pine.LNX.3.95.970205155322.217A-100000@jsielke.ppp.cyberenet.net>

I have seen a couple references to a digital display for the NorCal
Sierra. Is this still available, and if so where? I am going to be

starting a Sierra Kit soon, and would like to include it, if possible.

John L. Sielke	n4js@amsat.org	n4js@pobox.com
n4js@n4js.ampr.org	NJ Grid:FM29LN	
http://www.pobox.com/~n4js		
NJ-QRP #57	QRP-L #884	QRP-ARCI #9328
NE-QRP #507	G-QRP #9544	Norcal #???? QCWA Life Member

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
Subject: [10993] Earphone Impedance
Message-ID: <1.5.4.16.19970205022045.2c3fb39a@mail49.mci2000.com>

Hey gang....it just dawned on me last evening that most stereo earphones that have a two circuit plug on them can be run with the two halves in series by just making the connection to the ring and tip of the plug. The remainder of the series connection is taken care of by the plug. Ups the impedance by a factor of 4 if you are driving them in parallel from a mono output. Am I the only one who didn't realize this condition existed?? Sure ups the outout from the 38S with my crummy earphones that go to my personal tape player.

72....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com	__o	Cascade 17/40 SSB
Fenton, MI	_`\<,	Mizuho 17/40 SSB
...	(*)/(*)	...

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: JFelts4572@aol.com
Subject: [10989] F/S Sierra, KC-2, 40,30,20,17 modules
Message-ID: <970204183644_-1744181064@emout10.mail.aol.com>

For sale, Sierra, KC2, and modules for 40,30,20, and 17m. Asking \$315, includes shipping. If interested please e-mail.

```
rry  -- NR5A  -- Box Elder, SD
```

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: n4js@amsat.org
Subject: [11099] First Kit in 10 years
Message-ID: <XFMail.970205183809.n4js@amsat.org>

Never being one to do anything halfway, I decided I wanted to build something REALLY nice. So, I have a Norcal Sierra kit coming (thanks, Jeff), and I just ordered the KC-2 digital display/keyer/s-meter/wattmeter to go with it. Whew! I am no beginner to HB, having built MANY Heathkits in the old days, and homebrewed a lot of stuff from scratch, but the last thing I built was a little 40M QRP Transciever 10 years ago. (I still use it, but I don't even remember the kit company. Has a DC receiver, built in keyer, is VERY small, and puts out a good solid 4W.). Anyway, if anyone has any pitfalls peculiar to the Sierra to avoid, let me know. (Now, where is that magnifying desk light.....?)

Sent at 18:38:08 on 05-Feb-97

```

|_ \ | _ | _ | _ | _ / _ |
| . ` | _ | _ | _ | _ \ _ |
| _ | _ | _ | _ \ _ / | _ /
NE-ORP #507 G-ORP #9544

```

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@n4js.ampr.org NJ Grid:FM29LN
<http://www.pobox.com/~n4js>
NJ-QRP #57 QRP-L #884 QRP-ARCI #9328
Norcal #???? QCWA Life Member

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Randy Foltz <rfoltz@wsunix.wsu.edu>
Subject: [11058] FOX: Results Feb 5
Message-ID: <Pine.OSF.3.95.970205083523.21196A-100000@unicorn.it.wsu.edu>

Well it certainly was interesting. At starting time 7037 had a digital signal as did 7036, so I snuggled in between them in a spot I thought would be visible. When 0300 appeared on my Oregon Scientific clock, I followed the example of Jack, W5TFB, and sent "VVV OK LET THE HUNT BEGIN FOX DE AB7TK K". The first hunter came right back and we were off. After the first several hunters and no real pile-ups, I got concerned that I couldn't be heard. However, there wasn't anywhere to go. Down in fq was filled by the digital and getting far from my posted fq. Up in fq had lots of QSOs, so I stayed there. Most of the reports both ways were strong. A noticeable difference between this time and my previous one was the lack of pile-ups.

At 0407 someone came back with "WHO IS FOX?" I answered it was a little contest and did he want to play. W5APX in TN and I had a short QSO. He had a full wave horizontal loop and was running a KW.

At 0428 I switched from the Sierra @ 2w to the Triton @ 5w. I'm not sure it made a great difference.

Special persistence award to W6SU for trying at least 30 minutes to get me. Each time I could just barely copy your call, but not any of the exchange. :(

State counts: CA-8 TX-5 OK-3 AZ-2 NM,AR,NV,TN-1 each.

Thanks to all those that tried to catch me.

		HIS	MY			
TIME	CALL	RST	RST	STATE	NAME	NR
0300	K5JHP	559	339	TX	BILL	825
0302	KK5RO	579	449	OK	VERN	325
0304	AB5UA	579	559	OK	CLIFF	478
0309	KW5SP	579	439	OK	MEL	8W
0314	AB5OU	349	359	NM	TIM	73
0317	W5FN	579	569	TX	TIM	586
0332	W5XE	579	559	TX	RAY	256
0333	NQ7X	569	449	AZ	FLOYD	343
0335	K5ID	559	229	AR	KEN	652
0339	K2VCO	559	549	CA	VIC	725
0342	KU7Y	449	339	NV	RON	17
0344	NQ7K	449	449	AZ	MIKE	47
0352	N6XU	569	449	CA	STAN	66
0355	K06KA	559	559	CA	ROB	186
0401	KI60Y	449	559	CA	LEE	
0407	W5APX	569	449	TN	ART	1KW <=HE ASKED WHO IS FOX?
0416	K1MG	449	339	CA	MIKE	614
0420	KJ5VW	339	359	TX	GARY	228
0428	changed to 5w					
0430	K5ZTY	569	559	TX	BILL	472
0431	W6ZH	559	439	CA	PETE	257
0442	K06KA	559	559	CA	ROB	176 <=A DUP
0449	W6BAB	339	559	CA	HARVEY	5W

Let me know if there are any mistakes.

72,

Randy

AB7TK ARCI QRP-L NORCAL NWQRP ARS

Moscow, ID

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
Subject: [11030] FSFD Ohio
Message-ID: <v03010d01af1e31464867@[132.235.72.11]>

Gang,

The evening started great! Worked W2UX at about 6pm, 2303 UTC, nearly as soon as I got on 7.042 with a TEN-TEC Scout. His QTH was South Carolina. (Speaking of SC and basketball, did you see that the SC Gamecocks "whipped up" on Kentucky Wildcats 84 to 79?) 599 both ways. Signal sounded very nice and clear, no chirps or whoops.

I then worked AC5AM in LA, with 569/579 sig reports. Bob had a great signal here in SE Ohio. That was about 615 local time, 2315 UTC.

I thought that was going to be the start of a great evening. Rain pouring down, me high and dry in the cozy shack. Murphy thought otherwise tho. My SWR on the Delta loop antenna all of the sudden went sky high. A check with the meter showed that it had opened up somewhere! I opted to stay dry and not climb the tower in that storm. Looking at it this morning showed that the loop was still up. I suspect that the wind finally took its toll on the coax-to-loop connection. Its been up over a year.

Oh well, looks like the other Ohio ops did a fine job of it! 73 to everyone and I'll QSL 100%!

Greg Weinfurtner NS80
9411 Kitty Lane
Athens, Ohio 45701

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [11014] FSFD (50 States) Update for Feb. 05
Message-ID: <199702050451.XAA25858@alaska.magpage.com>

Hello ALL, (QRP activity info at <http://www.dancris.com/~ki7mn>)

Please read NOTE 1 at bottom of page.

The 50 States In 50 Days (FSFD) activity started Jan 01 and runs through Feb. 18. Below is a the schedule of the remaining States. We will attempt to provide digested schedules of states/times/bands/freqs to help reduce message traffic to the reflector. Typically, only 1 message per day.

ALL TIMES UTC

Feb. 05 Wednesday OKLAHOMA	AB5UA, Cliff	0300-0400	THUR-UTC	7.042
		0400-0500	THUR-UTC	3.556

KR5L, Jerry	1200-1400	UTC	10.115*
	1700-1900	UTC	7.060

* NOTE: 30M operation is with a 38 Spcl. at 5 watts

Feb. 06 Thursday OREGON	N7CQR, Dan	1800-1900	UTC	14.060
		1900-2000	UTC	10.116
		2300-2400	UTC	14.060
		0200-0400	FRI-UTC	7.042
		0500-0700	FRI-UTC	7.042

KB7RTA, Henry	1630-1650	UTC	7.037
	1700-1720	UTC	14.057
	1930-1950	UTC	21.059
	0300-0345	FRI-UTC	3.557

Feb. 07 Friday PENNSYLVANIA	KT3A, Cam	0130-0330	SAT-UTC	7.042
	Maybe more to follow			

Feb. 08 Saturday RHODE ISLAND	KA9HA0, Randy	0000-0400	SUN-UTC	7.037-042
-------------------------------	---------------	-----------	---------	-----------

Other Activity: CQrp Challenge SAT 1700 UTC -> 1700 UTC Sunday

SOUTH CAROLINA Early shot	N4UK, Ken	0000-0200	SUN-UTC	7.040
---------------------------	-----------	-----------	---------	-------

Feb. 09 Sunday SOUTH CAROLINA	K4NK, Les	1100-1200	UTC	3.560
		1300-1500	UTC	7.040
		1700-1800	UTC	10.116
		1800-2000	UTC	14.060
		2100-2200	UTC	10.116
		2200-2300	UTC	14.060
		2300-2400	UTC	7.040
		0000-0100	MON-UTC	7.040
		0100-0300	MON-UTC	7.040

W2UX W2UX, Gary	1200-1300	UTC	3.560
	1300-1500	"	7.043

Will do 14.060 if 15M is dead-->	1700-1800	21.040<>	14.060
	1800-1900	UTC	10.115
	2100-2200	"	14.060
	2200-2300	"	7.043
	0000-0100	MON-UTC	10.115
	0100-0200	MON-UTC	7.043
	0200-0300	MON-UTC	3.560

0300-0400 MON-UTC 7.043

WJ4P WJ4P, Randy TBA

N4UK N4UK, Ken 1200-1400 UTC 7.040
2200-2400 UTC 7.040

Feb. 10 Monday SOUTH DAKOTA NR5A, Jerry TBA

Feb. 11 TUE. Special Guest Feb. 14 Fri. Vermont Feb. 17 Mon. Wash. DC
Feb. 12 WED TEXAS Feb. 15 Sat. WYO & VA Feb. 18 Tue. CANADA
Feb. 13 Thur. UTAH Feb. 16 Sun. WA Feb. 22-23 FYBO

The FSFD Blow Out Weekend is in the planning stages to work with and in FYBO.
More info to follow. Looking for North Dakota this weekend.

NOTE 1. Most sign-ups came with a note saying they would go longer if busy.
Frequencies are +/- QRM & typ. may reach as far as 3-4 KHz from posted freq.
If a major QRP frequency is listed, like 7.040, it means close by if possible.
We will attempt to avoid being right on 7.040, 14.060, 10.116, etc.

CALLING CQ: A suggestion. If we call CQ WAS or WAS QRP de K6.... etc,
we give those not on QRP-L an indication of what we're doing. FSFD type
calling might be too cryptic for all but ourselves. However 'FS' is fine
when busy. Exchange RST, State/Province/Country, and Name. Power level is
nice to know.

If you want to sign-up for an upcoming State, e-mail band/freq/time directly to:
congress@magpage.com

Thanks for all the responses/encouragement and suggestions. Lets have a blast!

Remember, Jim K1MG starts up 50/40 activity next month. Watch for messages.

Jim K3QIO Wilmington, Delaware

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: jerryh@webzone.net (Jerry Henshaw)
Subject: [11076] FSFD - Oklahoma Final Results
Message-ID: <01BC1367.D7465040@pm1.ppp16.webzone.net>

Hi Gang,

Where was everyone. Thanks to Jim for being my first FSFD

contact. The band was great this morning.

Here are the results on 30 mtrs 10.115mhz 1200 - 1400 UTC

BTW the rig was a 38 Special running 5 watts.

Call	UTC	RST-s	RST-r	QTH	Name	Power
K3QIO	1229	539	559	DEL	JIM	5W
K8WNB	1316	549	599	MICH	DOC	1W
AA8EB	1336	559	579	OH	MIKE	5W
AA2YO	1340	529	549	NJ	GENE	5W
N4BP	1357	339	339	FL	BOB	5W

I also had 4 QRO contacts as well. Bob N4BP was very hard copy but we made it. Thanks for your patience Bob.

Here are the results for 7.060 mhz from 1700 - 1900 UTC:

(The rig was a Wilderness Sierra at 3 watts)

K5ID	1651	599	589	AR	KEN	5W
KA5T	1739	579	459	TX	LARRY	5W
AQ4C	1756	529	429	ALA	NAMON	5W
AC5AM	1828	339	449	LA	BOB	4W

40 meters was not very good today. 30 meters was much better. I only had a couple of QRO contacts on 40. This has been fun. You can catch Clif tonight if you still need Oklahoma.

73's

Jerry Henshaw
KR5L / QRP
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999
49er, ARK 20, Wilderness Sierra, 38 Special

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: jerryh@webzone.net (Jerry Henshaw)
Subject: [11038] FSFD -- OKLAHOMA First Round Results
Message-ID: <01BC133D.9E9307E0@pm1.ppp16.webzone.net>

Hi Gang,

Where was everyone. Thanks to Jim for being my first FSFD contact. The band was great this morning.

Here are the results on 30 mtrs 10.115mhz 1200 - 1400 UTC

BTW the rig was a 38 Special running 5 watts.

Call	UTC	RST-s	RST-r	QTH	Name	Power
K3QIO	1229	539	559	DEL	JIM	5W
K8WWB	1316	549	599	MICH	DOC	1W
AA8EB	1336	559	579	OH	MIKE	5W
AA2YO	1340	529	549	NJ	GENE	5W
N4BP	1357	339	339	FL	BOB	5W

I also had 4 QRO contacts as well. Bob N4BP was very hard copy but we made it. Thanks for your patience Bob.

See you all on 40 meters in a couple hours.

73's

Jerry Henshaw
KR5L / QRP
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999
49er, ARK 20, Wilderness Sierra, 38 Special

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: talljazz@teleport.com (Dan Presley)
Subject: [11018] FSFD 2/6 Oregon
Message-ID: <v01530525af1de0468566@[206.163.124.11]>

Folks-just a note that I will be on Thursday (real day, plus some Fri. UTC times) from the "Beaver" (not badger) state with my new (to me) Corsair II running a full 5W. I will gladly accept any schedules to accomadate people if the posted times don't fit-e mail me at above. I will also stick around on a given band if there's callers. Full schedule is in the post from Jim H.to the list.Let's have fun!

Dan N7CQR

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: SABorns@aol.com
Subject: [11019] FSFD OHIO (Stations Worked)
Message-ID: <970205020841_682985930@emout04.mail.aol.com>

G'day All,

The following stations were worked by K8IDN in todays FSFD activity.

20 meters

NT5ON, AB0CD, KG2G, KV7X, KC5VJU, K4BP, W2HDW

30 meters

N4BP

40 meters

KT3A, WA2NLD, W3GA, W9DOW, W2DKC, W3NK, K3QIO, VE3JPN, WA3GRQ,
W0JT, AC4EK, KU4AF, N2TNN, K3AS, W4OGP, WA1QVM. WD5CSK, K10J,
WB8FNH, K4FS, W5HNS, KE5IR, K5ON, K1MG, K0FRP, KK7BD

80 meters

K3QIO, AB5UA, KC4VZK, W4DON

Stations worked: 37

States /Provinces worked: 21 PA, NY, WI, DE, ONT, MA, NV, TX, CO, FL, WA,
NM, OK, CA, MO, VA, NC, NJ, KY,
OH, AZ

Equipment: OHR-400, FT-990 (at 5 watts)

Antennas: Mosley MP-33 (3 elements) at 55ft
Carolina Windom at 50 ft.

QSL INFO: Steve Bornstein K8IDN
475 East North Broadway
Columbus, Ohio 43214

listed in Cards will be mailed Wednesday or Thursday to all stations
current SAM or Callbook.

73, Steve K8IDN

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
Subject: [10988] FSFD OHIO 40 METER OPS
Message-ID: <Pine.3.07.9702041942.A23335-8100000@login>

G'day Gang,

K8IDN is operating at 7038 +/-.

73, Steve K8IDN QRP-L 331, ARCI 9059, Norcal 1717
FISTS 2441, GQRP 8332, CQRP 1

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
Subject: [11006] FSFD OHIO 80 METERS
Message-ID: <Pine.3.07.9702042327.A7981-7100000@login>

G'day Gang,

K8IDN is operating 3.560 till 0500z.

73, Steve

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: William McFadden <wmcfadde@oucsace.cs.ohiou.edu>
Subject: [11000] FSFD Ohio Report from WD8RIF
Message-ID: <199702050344.WAA19374@oucsace.cs.ohiou.edu>

Here's my report and log on FSFD activity from Ohio.

I stayed on 80m except for a brief jump to 40m to work my friend AA8EB. 80m was not as noisy as I'd expected considering the threat of thunderstorms in the area, but signals were almost all very weak. I had to resort to headphones to get any sort of copy pretty early.

The log follows my signature.

72,

Eric

--

W. Eric McFadden WD8RIF Athens OH
wmcfadde@ace.cs.ohiou.edu
<http://ouvaxa.cats.ohiou.edu/~mcfadden>

Fifty States in Fifty Days--Ohio

W. Eric McFadden WD8RIF
Athens OH
wmcfadde@ace.cs.ohiou.edu

ICOM IC-735 @ 5 watts
135' ladderline-fed dipole at 30'
CMOS Super Keyer II
Bencher iambic paddle

All QSOs 5 Feb 97 UTC

Call	Time Z	Freq	RST S	RST R	QTH	Name	Pwr
K4NK	0156	3544	589	579	SC	LES	5W
AC5AM	0200	3544	559	559	LA	BOB	4W
VE3JC	0206	3544	589	589	ON	JOHN	5W
K2SJB	0224	3544	589	579	NY	DAVE	5W
WA1QVM	0226	3544	569	449	MA	JOEL	4W
WD4AAI	0234	3544	569	579	AL	KEN	
N2VPK	0240	3544	449	339	NY	MARK	3W
AA2VG	0253	3544	589	589	NY	PETER	100W
N7MFB	0310	3544	439	339	WA	BILL	
AA9KH	0318	3544	589	549	??	????	

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: W5HNS@aol.com
Subject: [11004] FSFD TEXAS

Message-ID: <970204203410_-1677197603@emout04.mail.aol.com>

Is EVERYONE thrilled over the upcoming TEXAS run for FSFD??? Well I need some help. Due to poor propogation and conflicting work schedule I have missed some easy states needed - especially on 40 mtrs. My need list is as follows: AL, AK, DE, HI, IN, LA, ME, MN, MS, MT, NE, ND, TN, UT, VT, WV, and WY.

I have submitted a schedule but am available ALL DAY and will take skeds. Email me and we will set up something.

73 Henry Schneider	W5HNS	TEXAS QSO PARTY
Pasadena, Texas	W5HNS@aol.com	3 - 5 MAY 97 QRP catagory

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Jack Bryant <Jack.Bryant@math.tamu.edu>
Subject: [11008] FSFD Texas W5TFB
Message-ID: <199702050457.WAA26405@fourier.math.tamu.edu>

Well, here goes Texas from Brazos County. Local date is Wed Feb 12. I'll be on these bands for the time spread indicated (even if I don't work anyone), calling various forms of CQ, CQ WAS, and CQ WAS QRP. I'll use 5W, TT Argosy, mostly longwires at 10-15 meters height, 4 sq vert on 40. QSL 100%, USA QSL Bureau. (If I owe you one they are being printed now.)

freq	UTC	EST	CST	MST	PST
14055+	2000-2100	3-4 PM	2-3 PM	1-3 PM	noon-1 PM
10120-	2200-2300	5-6 PM	4-5 PM	3-4 PM	2-3 PM
7037+-	0000-0100	7-8 PM	6-7 PM	5-6 PM	4-5 PM
3565-	0100-0230	8-9:30 PM	7-8:30 PM	6-7:30 PM	5-6:30 PM

To the folks everywhere who work days, my apologies. Traffic schedules have me tied up from 0230 on. I was able to get off work for this.

-Jack W5TFB

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: kt3a@juno.com
Subject: [11096] FSFD: Pennsylvania
Message-ID: <19970205.173932.5423.1.kt3a@juno.com>

FSFD Fans,
Here is the schedule for KT3A.

7 Feb 97
Friday UTC

1330 - 1500 7.037 +
1700 - 1800 10.116
1800 - 1930 14.060

8 Feb 97
Saturday UTC

0000 - 0100 10.116
0100 - 0300 7.037 +
0300 - 0330 3.560

Will call several times on Novice
Frequency of 7.112 at top of the
hours posted. If no response after
several calls will move back to
posted schedule.

Will stay later if calls continue to come.

I look forward to representing the Keystone state.

```
-----  
 \  QRP  /  
  \Penna/  
   \____/
```

72, Cameron

KT3A, one of the "Keystone Keyers".

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997

From: wa5whn@juno.com (Jay D Miller)

Subject: [11063] FYBO {Feb. 22 & 23}/One Group from New Mexico

Message-ID: <19970205.105300.4447.0.wa5whn@juno.com>

QRP-Lers,

FYBO-(for information, contact vole@primenet.com, Joe Gervais)

We will be using the callsign W5BI, from the Rocky Mountains, in New Mexico. It looks like we will be above 7,000 feet asl with snow on the ground, and temperatures in the teens (F) @ night.

I would like to thank Dave Benson "Small Wonder Labs" (NN1G) for his kind donation of the SW-X0 xcvr kit, for this event, & the Arizona scQRPions for sponsering FYBO, especially to You, Mr. Gervais (PIzza & Pool Party @ AB7TT's QTH, for a "MST3K" marathon afterwards ??).. This will be a very entertaining contest.

I would be most interested in the rigs & how they had stood up to the enviroiment. I am really looking forward to working all of the Novices & Techs too. The thermometer is calibrated. The radios & antennas are packed & the batteries are charged (solar panel). We are ready.

One of the keyers had failed at 20 degrees F (I had tested it.) Certain components don't like the cold, especially certain capacitors & batteries.

Joe, do You want us to send You the reports & *.jpg files for FYBO ?

Where's the Polar Bear QRP Club ?

Where is everybody going to operate for FYBO ?

T minus 16 days & counting...

72...Jay, WA5WHN

Albuquerque, New Mexico

USA

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Richard Sherman <srichard@aldus.northnet.org>
Subject: [10990] Ghostscript and Postscript files
Message-ID: <3.0.16.19970205011433.37a78e8e@aldus.northnet.org>

Hi All,

Not really QRP but I'm trying to look at some of the Postscript files on the QRP-L FTP site, specifically the 8044 file. I downloaded Ghostscript from the QRP-L site and I believe it's installed correctly as it seems to be running. But whenever I try to open the file I get error messages (i.e. / undefined in gs). The use.doc file doesn't seem to tell me how to get those puppies out and on the screen or printer. I believe this topic was discussed before but I ignored it because I couldn't get Ghostscript to work at that time. Any help would be appreciated,
72 de Rick WZ2T NNY

On the other hand, you have different fingers.

---Steven Wright---

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Martin Squicciarini <skitch@resuba.com>
Subject: [11034] High speed CW
Message-ID: <Pine.LNX.3.91.970205084022.6389D@resuba.com>

There has been alot of posts about learning CW and getting you speed up to 20 WPM but I want to know how do I get to the next level 30-50 WPM??

72/73

Marty Squicciarini NR3Z
skitch@resuba.com (home)
msquicci@vf.lmms.lmco.com (work)

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [11027] How is this for mixed feelings?
Message-ID: <Pine.SOL.3.94.970205081029.11044C-100000@utkux4.utcc.utk.edu>

N1FB of ARRL just informed me that my IROESON keyer (infra-red opto-electronic keyer, the successor to IROESK, infra-red opto-electronic straight key--located at W1AW) has been placed in the ARRL museum.

a. An honor? Of course, and appreciated as such.

b. A signal of antiquity? I wonder how the key feels amid all the old spark and early tube gear? I wonder how I would feel there? Amazing how technology ages so fast these days.

All the keyer has in common with the pioneering old gear is wood, since I made the case from oak.

I could have made it smaller if the post-8044 keyers had been available.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [11023] HW-8
Message-ID: <199702051315.IAA27136@alig1.firewall.lucent.com>

The first mod to make on an HW-8, is adding an in-line
1 amp fast blow fuse between the power connector and
switch.

On the beach at midnight operating in Wales, I connected
the battery up backwards. The fuse saved me !

W1FMR

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "William R. Colbert" <V31XE@dzn.com>
Subject: [11093] Kanga U.S.
Message-ID: <32F927FC.84E@dzn.com>

Hello All. Just a note of public recognition of Bill Kelsey, N8ET,
Kanga
U.S. I place an order via Email to him Saturday (late) and received the
completed order today, via express mail. 2 1/2 business days is hard to
beat. Certainly is a pleasure to do business this way and I highly

recommend Kanga U.S. If one has not visited the Kanga websites (one in UK, one in U.S.) I suggest one do so. I have no involvement with either other than being a happy customer. 72/73 Ray

--

Ray Colbert, W5XE, SOWP 1064M, FISTS 2146
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [11033] KR5L in OKLA FSFD 38 special strong sig now
Message-ID: <199702051248.HAA18519@alaska.magpage.com>

Hey Gang,

Jerry is on this morning from Oklahoma running an S-4 to S-5 super signal with his 38 Special. The band opened in a flash at 1233 UTC and Jerry will be on until 1400 UTC (9 am EST). He's dead on 10.115 as advertized

Thrill of the day in Delaware at 7:33 AM EST, Jim K3QIO

My first 38 Spcl. QS0 :)

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [11084] Lonesome N/T FOX Tonight!
Message-ID: <v0300780eaf1e9a23ca6c@[129.74.87.62]>

Last notice that your recently lonesome midwest N/T FOX will be on the air tonight. Drop by the den and keep me company!

Wednesday, February 5th (local date)
7:00 - 9:00 pm local (EST) time
0000 - 0200 UTC
frequency; "near" 7.122+-
QTH South Bend, Indiana
QRP-L# 642

MFJ 9040 at 5 watts

Barry Keating
WD4MSM

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [11070] MANY tuners shipped
Message-ID: <Pine.3.89.9702051242.I12840-01000000@w3eax.umd.edu>

I will compose a note to everybody who ordered one when I have a few minutes. If your check was received (you would have been notified), your tuner order either

- 1) was shipped last night
- 2) shipped today
- 3) will ship tomorrow

Thank you all for your patience and assistance. This was a REALLY big order, and if what you end up with isn't what you thought you'd ordered, PLEASE let me know ASAP.

Have fun, and let's keep the fun going!

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [11001] MN-FSFD QSLs?
Message-ID: <970205035256_70511.3041_IHD60-2@CompuServe.COM>

Gang:

Several have already sent their QSL's for FSFD-MN. I have sent my cards in return.

In case you need my address, here it is again:

W. D. Lindsey K0EVZ
MWBC
519 16th Street SE
Rochester, MN 55904

I hope to hear soon from *everyone* who stopped by Lake Wobegone on
January 23!

72/73,
--Doc/K0EVZ QRP-L #861 MN-QRP #19 NJ-QRP #69 ARRL

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [11037] N/T FOX Tonight (Wednesday)
Message-ID: <v03007804af1e3fbe86f9@[129.74.87.62]>

*** TONIGHT ***

Please bag this FOX and put him out of his misery.

*** Wednesday Night - February 5th - (local date) ***

I (WD4MSM) will be the N/T fox from 0000-0200 UTC on or near 7.122 MHz.

I will operate "near" 7.122. I have an analog dial so be generous with
"looking around." I will be on the air from 7:00 pm - 9:00 pm (EST) time
CQ'ing my heart out.

Wednesday, February 5th (local date)
7:00 - 9:00 pm local (EST) time
0000 - 0200 UTC
frequency; "near" 7.122+-
QTH South Bend, Indiana
QRP-L# 642
MFJ 9040 at 5 watts

Contacts last night included Rhode Island, Arizona, Idaho, Kentucky, and
Florida (so maybe the propagation is with us).

Barry Keating
WD4MSM

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Al Hunter <ahunter@inland.net>
Subject: [11035] NC38S T1/TC1
Message-ID: <3.0.1.32.19970205055726.0069536c@inland.net>

Just finished the 38 Special and having a small problem. I am hearing the RTTY at the high end and also several CW stations, but can't seem to peak TC1. I get one small peak thru the tuning range of TC1 (I believe there should be 2 distinct peaks). Is there a simple way to determine if turns should be increased or decreased on the secondary of T1? My 38S is the stock version with no mods. I have limited test equipment.....a frequency counter, a digital VM and an old GDO. Thanks for any help.

Al Hunter - AA6SO

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
Subject: [11053] NC38s: TC1 - one peak/two peaks
Message-ID: <1997Feb05.113835-0500@[130.113.234.7]>

In <3.0.1.32.19970205055726.0069536c@inland.net>, Al Hunter wrote:

[...]
> but can't seem to peak
>TC1. I get one small peak thru the tuning range of TC1 (I believe there
>should be 2 distinct peaks). Is there a simple way to determine if turns
>should be increased or decreased on the secondary of T1?

[...]

Al,

I too had this problem. Its difficult to see if TC1 is at maximum capacitance or minimum. If your's is the same as mine, its black, with an orange top. The black shell has a small flat on one side. And the orange top has an "X" screwdriver slot. It also has a small hole tucked close inside the X. I'd take this as an index, to show you what angle the capacitor's plate are.

My TC1 cap gave maximum signal with the index hole on the opposite side to the flat. Minimum signal occurred with the index hole right next to the flat.

In my case, that meant I had to remove one turn from T1. After that, TC1 gave two peaks as it should.

I've heard others say that these coils are a little big. One turn also needed to be removed from L2 as well. (Toroids are wound tight)

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [11017] Need Scope Manual (B&K 1403A)
Message-ID: <199702050621.WAA01560@sierra.psnw.com>

I purchased an oscilloscope at the Livermore Swapmeet last Sunday and could really use a little information about it. It is a B&K Model 1403A. It is NOT intended for r.f. use as the bandwidth appears to be somewhere around 100 kHz. If anyone has a manual they would be willing to sell or photocopy please contact me. I'll pay all expenses. Thank you.

=====
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
=====

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: nskousen@scientech.com (Niel Skousen)
Subject: [11094] Novice Fox Thursday
Message-ID: <v02140b13af1ebdb5e06c@[198.60.91.132]>

Don't forget the Novice Fox on Thursday

WA7SSA 7.112 +/- Thur 2/6 7-9pm MST
Wed 2/7 0200-0400 UTC

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG nskousen@scientech.com
208.525.3742, FAX 529.4721 Idaho Falls ID WA7SSA QRP-L.119
Z-----DN33wm--- . . . -

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Elliott Lawrence <edl@pacbell.net>
Subject: [11064] NTE
Message-ID: <32F8C100.7303@pacbell.net>

Help! I'm sitting here clicking away and can't find what I know I saw. I had found a website for NTE to determine characteristics of their transistor and suitable substitutions. I am looking for replacements for the MJE171, MJE181 transistors. I DID NOT remember to save the bookmark.

Can anyone help me before my index finger dies from exhaustion?

TIA

Elliott WA6TLA

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Bill Todd <bill@techline.com>
Subject: [11060] NW QRP Club Mbr Lists
Message-ID: <1.5.4.32.19970205172923.0067e40c@mail.techline.com>

Brian, KV9X has posted the Membership List of the Club to our Web Page for those of you who may have forgotten your number (hi), and for those of you who what to verify a recent contest QS0.

A rudamentary search is possbile using your browser ... see instructions at the the top of the lists ...

<http://www.scn.org/IP/nwqrp/mbrlst1.htm>
<http://www.scn.org/IP/nwqrp/mbrlst2.htm>

CUL, Bill-N7MFB

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Bill Todd <bill@techline.com>
Subject: [11021] NW QRP Club Meeting THIS Saturday
Message-ID: <1.5.4.32.19970205082118.00673604@mail.techline.com>

Hello group(s) -

This Saturday morning is the bi-monthly NorthWest QRP Club Meeting at Andy's Diner in Seattle.

If you are in the Seattle area, please stop on by and join in the fun. Last month, plenty of new kits and older tube gear were shared with the assembled group. Breakfast is always great (better than

the one you'd eat at home!).

So, be there at 10 am at Andy's Diner on 4th Avenue in Seattle. Be sure to enter in through the back door.

CUL, Bill-N7MFB
NW QRP Club

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [11012] QSLs for 1/22/97 Fox Hunt
Message-ID: <Pine.A41.3.95.970204221112.60194A-100000@hector.NMSU.Edu>

I have sent qsls out via the USA QSL Buro for my stint as the FOX for the above date. I also am returning direct QSLs for those received direct. It will be interesting to see how the USA Buro does all of this. They are receiving cards for distribution for 5 cents each. There is no charge to return cards to you but you do need to keep envelopes (3 5/8" by 6 1/2") with them with a unit of postage. I have no interest (except hoping them great success) but their address is:

USA QSL Bureau
P.O. Box 814
Brewer, ME 04412-0814

You can learn more about them at:

<http://members.aol.com/usburo/info.htm>

I really hope bureua will work for domestic cards. That will save us all a lot of money!

Tim AB50U
Las Cruces, NM

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [11077] Rainbow Tuner: 1st Review
Message-ID: <199702051936.MAA29176@zia.aoc.nrao.edu>

Gang,

I received the prototype of the Rainbow Tuner (RBT?) to build and check out the instruction manual. This is another GREAT kit offering and a clever circuit.

The PC board is 2.25 x 3.125 inches, and with components mounted, a touch over 1/2 inch high. It is about 2/3rd the size of the 38 Special board, and the thought immediately hit me how it could be mounted under the 38S board with 1/4" standoffs or something ... with the solder sides back to back. You'd still only have a bit more than one inch of total component height. There is only one adjustment on the RBT, a variable cap for peaking power to the meter, so once set, it wouldn't have to be accessible. A great companion for any rig.

The kit consists of 60 parts (45 parts + 15 terminal pins). Active components are a 2N3906, VN10KM MOSFET and LM339 comparator. There is only one toroid to wind ... 30T on a large T68-2 core. There's a couple of taps on the toroid, but the fellas are providing the coil wire with the heat strippable enamel, so no scraping (the enamel dissolves with the heat of the soldering iron). Believe me, if you built the St. Louis Tuner, this tapped coil is duck soup!

Designed by Joe Everhart, N2CX, it is a fairly simple, but clever circuit. It starts out like any typical SWR meter, with the two diodes for measuring forward and reverse power, converted to a voltage. Then it gets different. The forward voltage becomes the reference to a gang of 4 window comparators (the LM339). The reverse voltage is applied to the other input of each comparator through a sequential voltage divider, such that as the reverse power (i.e., SWR) starts to increase, the window comparators start turning on as a function of the SWR. To ensure good calibration, Joe also included a constant current source (the VN10KM and 2N3906) as the voltage divider reference current. The output of the 4 window comparators drives 4 LED's to offer quick visual indication of the SWR, as follows:

LED#1	GREEN LED	SWR < 1.5
LED#2	YELLOW	SWR between 1.5 - 2
LED#3	ORANGE	SWR between 2:1 - 3:1
LED#4	RED LED	SWR > 3:1

For example, with an SWR of 4 to 1, all 4 LED's are illuminated. With the different colors of LED's lighting up, you can see how it got its name "Rainbow" Tuner. A very appropriate name.

There are provisions for adding a switch to disable the LED displays if you wish once you've checked your SWR. It is powered off any ole handy +12v, OR an internal +9v battery if you wish.

I stuffed out the board last night. Tonight I hope to do the external wiring, the LED's, etc. and see how well it works. The instruction manual is also very well prepared with 10+ pages. Step by step instructions, good toroid winding info, good alignment info, and the schematics, parts list and assembly drawing. Even an illustration how to mount it in an Altoids can!

For the first crack at doing a kit, Joe N2CX and the New Jersey QRP Club have done an excellent job. The PC board is the same type and quality of the 38 Special board. First class.

72, Paul NA5N

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Bob Reynolds <breynold@sigg.com>
Subject: [11085] Reply: Band plan question.
Message-ID: <97Feb5.142910cst.19651@firewall.sigg.com>

What is this "CW SEGMENT OF THE BAND" stuff ? CW is allowed on the ENTIRE band of all amateur bands. The little use of CW in the "phone sub-band" is by gentlemen's agreement.

73, Red K5VOL "CW FOREVER"

breynold@sigg.com

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)
Subject: [11024] Sockets
Message-ID: <199702051317.IAA27837@alig1.firewall.lucent.com>

In industry, the standard is to use the same metal on the socket as on the plug.

ie....

If the IC has gold plated leads, use a gold plated lead socket.

W1FMR

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Randy Hargenrader <randyh@harksystems.com>
Subject: [11052] Sockets
Message-ID: <32F8B1D4.3352@harksystems.com>

My two cents..
Using gold inlay sockets is probably over-kill
for most of "our" projects. Don't go out of your
way to get them.

--

73, Randy WJ4P
QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: wb8ygg@juno.com (Bradley S. Mitchell)
Subject: [10994] TiCK-1 in Whiterook keyer!
Message-ID: <19970204.213956.13031.1.WB8YGG@juno.com>

Ok Normal disclaimer, well, not really, I have a vested
interest..

Anyway, I was playing around with the Whiterook keyer,
after we started making the SOIC version of the TiCK, and
found something pretty strange.

Totally by accident, (or did we design it that way), the
TiCK-1 keyer board fits in the bottom of the keyer. Not only that, but
one of the corner holes fits right over the center post bolt that comes
through to the bottom box. Amazing.
I have to shave off about a 1/16 inch on the board, other than that it's
pretty weird, almost like it was planned. I think that there may be
room in the box for the lithium cell, and all!

Well, add that to my pile of projects!

73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Marshall G. Emm" <mgemm@ntechnologies.com>
Subject: [11092] Tool needed
Message-ID: <32F8C623.4D62@ntechnologies.com>

--a five point driver similar to the torx drivers.--

Sounds like it could be a "GM Star" aka "GM torx." Most auto supply places would have them (needed and got one about a year ago).

73

Marshall

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Jim Hydzyk <congress@magpage.com>
Subject: [11013] Tuner Efficiency via FS
Message-ID: <199702050514.AAA27469@alaska.magpage.com>

Mark and the gang,

As Mark outlined the test below, remember the ole camcorder trick to get a test result from many wavelengths away:

Place a camcorder with the time/date stamp feature turned on facing the field strength meter. Have a clock/watch calibrated to the C/Corder in the shack and make notes of the times when each test is run. If you have a C/C with the Ch 3-4 RF unit, you might be able to watch it live using 300 ohm TV dipoles as long as they don't affect the F/S test.

>From the FWIW Dept, Jim K3QIO Del.

P.S. Don't try this in Brooklyn

>

>Reading Kurt N. Sterba's two great books gave me an idea. Since he says
>that the field strength meter does not lie here is what I am going to do
>while off during the holidays. I am going to compare my three tuners'
>abilities to match my 250' loop fed with 450 ohm ladder line on 40
>meters. Here are the steps. (Suggestion welcome.)

>

>1. Set up my FS meter out in the neighbors yard.
>2. Measure the resistance and reactance of the loop with the Palomar
>bridge.
>3. Hook up each tuner in turn and set for best match.
>4. Observe the FS meter deflection. I will get someone to stand outside
>:-)
>5. The highest efficiency tuner will be the one that yields the highest

>FS.
>6. If all goes well, repeat for the other bands when my TT Cubbie comes
>back from repair.
>
>Tuners to be tested: St. Louis, Heath HF9TB (?), Super Simple Kanga, HB L
>tuner.
>
>I will report results in a week or so.
>
>72 from cold Clarence, NY
>Mark N2VPK

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Bob Kellogg <ae4ic@nr.infi.net>
Subject: [11067] Tuner Survey
Message-ID: <199702051809.NAA18138@mh004.infi.net>

Hi Gang,

I'm still working on tuner testing, but helping with some development work,
so no new results to report.

It would be helpful to all of us if I concentrated on testing the most
popular tuners. So, I need to find out what they are. If you wish to help,
please answer the seven questions below and reply directly to me. I'll
summarize and post the results to the list.

I'm only interested in Commercial tuners or common Home Brew designs which
cover a range of frequencies, not the matching networks that are specific to
a particular antenna or frequency.

1. What is your favorite tuner brand and model no.?
2. Is it a "T-Match"? (C-L-C, L in parallel)
3. Is it an "L-Match" (L-C or C-L, L in series)
4. Is it a "Pi-Match" (C-L-C, L in series)
5. Is it a "Z-Match"
6. If it's none of the above, what is it?
7. Would you be willing to loan it for testing?

Thanks, and CUL,

Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not necessarily. - Benny Hill

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Gary R. Widmayer" <grwidma@edcen.ehhs.cmich.edu>
Subject: [10991] W5VB0/Brian
Message-ID: <32F7E161.BE9@edcen.ehhs.cmich.edu>

Hey Brian, thanks for the great QSO with your 38S. As I said,
YOUR THE FIRST QSO for me with a 38S so this one goes in the log under
special qso's.

Ur 38S was working well, however you had a slight freq shift during
transmission, but nothing to get worried about.

Thanks agn and I hope the QSB Gods will be better next time as the
middle of our qso went into a black qsb hole.....dit dit.

Gary/N8AYY

Rig here was TenTec Omni VI at 100 watts/slopper at 45'.

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [11073] WAS, FSFD, 50/40, and things to come
Message-ID: <199702051900.NAA29767@multi13.netcomi.com>

Well, Fifty States in Fifty days is coming down to the last few weeks. It
sure has gone fast. Lots of 38 Specials are being built. Folks are a lot
closer to QRP WAS than ever before. Where do we go from here?

Well, I thought I'd give you just a little teaser of what's coming.

Based on the things learned from FSFD, we are refining the upcoming 50/40
exercise. What 50/40 exercise, you say? As announced last December, FSFD
was the first of a two part WAS event. The second was a more leisurely WAS
effort to take place on 40 meters, following FSFD.

An official announcement will be forthcoming in the next few weeks, but I
wanted to let you in on one of the changes.

With all the 38 Specials coming to life out there, we thought it would be interesting to see if we can learn a little about the characteristics of 30 meters from all 50 states. So we are going to add a 30 meter element to Fifty States on Forty (50/40), henceforth known as 50/40/30. The main event is still 40 meters, and all the certificates and prizes will be awarded strictly on 40 meter results, but each operation will include time on 30 meters.

Did I mention prizes? I have sitting next to the computer two NorCal 38 Special kits. Two very fortunate participants in 50/40/30 will be warming up their soldering irons when the exercise is over. One of them might be you!

Look for the announcement when FSFD is over.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Bradley S. Mitchell" <bmitchel@kodak.com>
Subject: [11044] Re: 38 special w/KC1?
Message-ID: <32F97280.6D61@kodak.com>

AC6JA@aol.com wrote:

>

> am presently trying to interface a kc-1 with my 38 special. has anyone else
> attempted or got the two working together? so far i have cut out all the
> existing sidetone parts from the 38special board as if i was gonna use the
> tick keyer. also wired up mute circuit

to quiet receiver during telemetry.

The 38S sidetone doesn't thump, it's the 4066 switch. I suspect by adding the mute, you solved the thump. You might want to write this up for a thump mod.. :-). I thought about doing this myself, but that's as far as it got.

> now able to use kc-1 sidetone instead of the thumping sidetone of the
> 38special. still haven't been able to read the vxo signal with the kc-1.
> changed the resistor value on the kc-1 in order to raise the signal level.
> tried different values caps to pick off the signal. still no freq readings.
> any help in this arena?
> thanks!

What is the freq limitation of the kc-1.

I don't know for sure , but because the IF is 12 MHz, the kc-1 may not be able count that high? Wayne , what's the answer on that?
73 and have fun with it, sounds like a good challenge.
Brad WB8YGG

>
> Mike AC6JA

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Bradley S. Mitchell" <bmitchel@kodak.com>
Subject: [11045] Re: 38 special w/KC1?
Message-ID: <32F97525.79D9@kodak.com>

Oops , the kc-1 would have to count to 22 Mhz, not the i.f.
what was I thinking. I don't think the kc-1 counts that high..

I just read Wilderness' web page, but nowhere did it say
the freq range for the KC-1 in it's spec.

Ask Wayne.
73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Al Moyle <moyle@essc.psu.edu>
Subject: [11047] Re: 38 special w/KC1?
Message-ID: <3.0.32.19970205102451.005badb0@pop3server.essc.psu.edu>

At 10:07 PM 2/5/97 -0800, you wrote:
>Oops , the kc-1 would have to count to 22 Mhz, not the i.f.
>what was I thinking. I don't think the kc-1 counts that high..
>
> I just read Wilderness' web page, but nowhere did it say
>the freq range for the KC-1 in it's spec.
>

I think you're right, Brad. Certainly, the KC-2 only can count to 6.4 MHz ... I think that this is set by the low (100 KHz) clock freq of the PIC. I assume that a similar clock rate is used in the KC-1 to avoid generating a bunch of hash in the receiver. Maybe one could add some extra dividers between the 38 Special's 22 MHz VXO and the KC-1, then set up the correct offset to get a proper readout? Maybe? Eh? Or maybe the badgers have been into the rabbit venom again?

73,
Al N3KFL

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [11079] Re: 38 special w/KC1?
Message-ID: <199702051948.NAA08185@multi13.netcomi.com>

Mike --

Having never seen a KC1 or KC2 except already installed in a Sierra, I may be wrong about some of this, but FWIW:

I believe the KC1 and KC2 will only handle signals up to 6.4 MHz, while the NC38S VX0 runs at 22.1xx MHz. In addition, I think the signal level available in the NC38S may be too low to directly drive a KC1/2 without additional amplification.

I have built a digital display that will work with the 38 Special. You may have seen previous posts on the K1MG counter / UTC clock. It runs up to 32 MHz and works with 70 mV RMS signals. Pictures of the breadboard will probably appear on the NorCal web page any day now. This will be available soon as a kit.

However, if you do want to interface a KC1/2 to the NC38S, I think it could be done with a little extra work. First, you need to add a buffer amplifier to the VX0 signal to bring the level up to TTL/CMOS levels to drive a prescaler. Probably the best point to pick up the VX0 is at pin 7 of U1. Then you need to add a prescaler between the buffer and the KC1/2. I would recommend a divide-by-10 prescaler, since you have to multiply the displayed number by the prescale divisor to get the frequency. The programmable offsets will not handle this part. A divide-by-ten prescaler would give you kHz resolution readout -- just mentally shift the decimal point on the display.

I haven't tried this, of course, so I can't guarantee it.

Let everyone know how it goes.

Also, tell us more about your mute circuit!

Mike K1MG

Standard disclaimers do NOT apply.

> am presently trying to interface a kc-1 with my 38 special. has anyone
else
> attempted or got the two working together? so far i have cut out all the
> existing sidetone parts from the 38special board as if i was gonna use
the
> tick keyer. also wired up mute circuit to quiet receiver during
telemetry.
> now able to use kc-1 sidetone instead of the thumping sidetone of the
> 38special. still haven't been able to read the vxo signal with the kc-1.
> changed the resistor value on the kc-1 in order to raise the signal
level.
> tried different values caps to pick off the signal. still no freq
readings.
> any help in this arena?
> thanks!
>
> Mike AC6JA

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: ori@juno.com (Ori K Mizrahi-Shalom)
Subject: [11020] Re: 38S - blow by blow
Message-ID: <19950204.231336.4423.3.ori@juno.com>

> Not just a circuit description but a "how did I decide on that
particular
> value for that part and why did I want to put it here?" type of thing.
I
> think there is a real opportunity here for those of us who are
interested in
> circuit design.

Wayne's question did come up earlier. We had some thoughts also on the
format
of the manual, like making it more experimenter's manual, with details,
suggested
experiments after assembling each stage, etc.
There was no time and this approach may have been too "heavy" for some
people
(I'm very pleased with the simplicity of the manual and instructions).
I thought of posting a some articles on the subject, but we had a few
people on
the list that posted a series of articles on receiver design (which were
pretty good!),
no sense "competing" with those informative efforts.
That's for the short term. Some day I will get back to this and try put

together a
detailed analysis of the circuits, not only the concepts.
Words are great but pictures are a thousand times better. It will be
ideal to include
diagrams with a practical analysis and a list of references to read at
various levels,
ranging from intuitive to very involved.
That's not going to happen soon, but stay tuned...

73

ORI AC6AN

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Laura" <sputnik@imt.net>
Subject: [11088] Re: 49er Jumper J4
Message-ID: <199702052054.NAA29204@cu.imt.net>

Jumper #4 is on the upper left hand corner of the board next to RFC1 and it
is marked J4. Let me know if you still don't find it and I'll try to be
more specific. Good luck!

Laura

Laura Marino Lubner, KJ7UN - Reese Creek Montana USA
sputnik@imt.net <http://www.imt.net/~sputnik>
GHRC / ARRL / NORCAL / 10-10 # 68896
FISTS # 2785 / MARC / QRP-L # 790

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Roger Hightower <n7kt@dancris.com>
Subject: [11089] Re: 49er Jumper J4
Message-ID: <32F8F6F9.6157@dancris.com>

Some early versions (pre-kit) of the board do not use a J4. You might
have one of those.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,
HW-9
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: JEVERHART@cayman.vf.mmc.com
Subject: [11086] Re: ?? Rainbow Tuner ??
Message-ID: <970205154116.20205ab6@cayman.vf.mmc.com>

Gang,

There have been a number of queries lately both on qrp-1 and privately asking about the Rainbow Bridge/Tuner and its availability. Info on it can be gotten several ways. First of all, it was written up in the December 1996 QRPP and January 1997 QRP Quarterly. Secondly, Jerry Parker and NORCAL graciously included the info on the NORCAL web page. And finally, I have a copy of the file that I will send out to anyone via e-mail if they contact me and request it. I hesitate re-sending it on qrp-1, because it is kinda long.

Briefly, the kit is available from NJQRP for \$25.00 plus \$3.00 postage (\$5.00 foreign postage). The postage is the same for one kit or several. If you order ten kits (yeah, sure) we may have to charge a little more postage.

Send your check or M.O. (US funds) to

James Bennett
309 Morrison Ave
Hightstown, NJ 08052

and please make the check out to James Bennett.

If you send an SASE or e-mail, we will notify you of your order number, and the kits will be sent out in numerical order starting in late February.

We originally planned to deliver 200 kits, but demand grew enough that our first run is 300 kits. We are now at about the 250 mark, so planning is underway for another round to follow immediately!

And you can blame it all on Doug Hendricks! :-)

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: k5zty@juno.com (WILLIAM A STIETENROTH)
Subject: [11003] Re: A little courtesy & common sense, pse
Message-ID: <19970205.040543.4583.0.k5zty@juno.com>

Gary and group,

You don't have to change bands to be courteous. 4khz bandwidth should support 8 different qsos. In a contest , stations will be 2-300 hz apart. Get a good reciever with good filters and develop a good filter between your ears and get in there and work 'em and quit whining. There's not enough spectrum available for each ham to have his own 4khz bandwidth. Remember the QRP motto, "Skill not Power".

72,

Bill, K5ZTY

WITHOUT CW, IT'S JUST CB

ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440

QRP-L 473

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997

From: ac4gt@juno.com (nathan c tart)

Subject: [11015] Re: A little courtesy & common sense, pse

Message-ID: <19970205.003342.4759.0.ac4gt@juno.com>

On Tue, 04 Feb 1997 23:07:19 EST k5zty@juno.com (WILLIAM A STIETENROTH) writes:

>Gary and group,

>

>You don't have to change bands to be courteous. 4khz bandwidth should
>support 8 different qsos. In a contest , stations will be 2-300 hz
>apart. Get a good reciever with good filters and develop a good filter
>between your ears and get in there and work 'em and quit whining.
>There's not enough spectrum available for each ham to have his own
>4khz bandwidth. Remember the QRP motto, "Skill not Power".

>72,

>Bill, K5ZTY

>

>WITHOUT CW, IT'S JUST CB

>ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440

>QRP-L 473

***** A good cw opr must copy sigs that are close...
all cw sigs have a different tone.... If the signal is
overloading the rcvr or can not be tuned around....
the selectivity is probably bad..... in some cases
the rcvr on the qrp xcvr just does not get it.....

WE HAVE TO SHARE THE SPECTRUM GENTS.

Nate AC4GT Old Navy Warrant Officer Radioman

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Dave Sjolín <sjolin@swbell.net>
Subject: [11039] Re: A little courtesy & common sense, pse
Message-ID: <32F8219A.6885@swbell.net>

WILLIAM A STIETENROTH wrote:

> You don't have to change bands to be courteous. 4khz bandwidth should
> support 8 different qsos. In a contest , stations will be 2-300 hz apart.
> Get a good reciever with good filters and develop a good filter between
> your ears and get in there and work 'em and quit whining. There's not
> enough spectrum available for each ham to have his own 4khz bandwidth.
> Remember the QRP motto, "Skill not Power".

Well stated Bill!

Even if we wanted to provide 4khz protection there is no real way to do so. Many stations inhabiting the "qrp" frequencies are not on qrp-1 and not all of those that are will know anything about the fox. I, for example, routinely skip fox announcements and I never heard the fox the night in question. If stations give the fox a wide berth, someone not knowing about the fox is going to come along and they are going to see congestion elsewhere and lots of wide open spectrum near the fox. So what will they do? Call cq right in the middle of the open spot.

Part of the solution is better listening by all of us to avoid unintentional interference and another part is use of decent filters to enable efficient spectrum use. Given that few of our sigs are going to pump anyone's agc, an inexpensive audio filter may be all that is needed.

Sorry if I interfered with anyone the other night. 73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Steve/N0TU <N0TU@webaccess.net>
Subject: [11005] Re: Antenna Connector, did You know...
Message-ID: <32F80931.1419@webaccess.net>

ukii wrote:

>
> Hello Gang...
> Excuse the message but I had see if I rediscovered
> the wheel,or I found something that may have slipped through the
> cracks. I was looking in my junk drawer (box was too small)
> for some stuff to fix my 38s. nyway,I came across a BNC type
> test adapter. It has a BNC on one end,and the other end has
> two terminals for test probe leads. It is a scope whatchmacallit so you
> can use regular test leads and plug it into the BNC on the scope...
> While looking at the 38's antenna connector,it dawned on me,That thing
> would be great for dipoles! It has 2 screw type terminals with holes,well
> I think you guys know what I am talking about... anyway,anyone using
> this already,or is this brainstorm for naught?
> Thanks all...
> 73 de john
> (had to vent some steam,darn 38s still shootin blanks!)
Thanks John...I was just packing up for a winter backpack/sled ski
trip...and you can bet I'll throw in the BNC to binding post adapter
along with lotsa wire, feedlines etc...who knows it might be just the
item to hold everything together...so to speak! =-) CU on 7040 this
weekend 8th-11th times available on my website....Steve

portable/solar powered QRP
49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO
HTTP://www.webaccess.net/~S&P
QRP-L # 911
ARS# 206
Steve-N0TU

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: [11074] Re: Band plan question.
Message-ID: <19970205183632.AAA1240@LOCALNAME>

At 04:54 PM 2/5/97 +0000, you wrote:
>Yesterday, I was chatting with a Packet user who said that 7.030 was some
>sort
>of DX Packet frequency. He was blasting away on the frequency yesterday
>morning.
>
>Is this true?
>
>CUL,
>
>Smitty, NA5K

>
>

This problem has reared its ugly head more and more lately. I think we need to partition off what is left of the CW band and limit digital modes to a sub-band. There are too many "unattended" automatic packet forwarding stations that don't care WHAT is on the frequency they are set on.

With talk of coming "no-code" licenses for HF radio, we need to get some grass roots support NOW for this, or the CW operators will get pushed off the band by sheer default.

We need to 'lobby' the ARRL, W5YI group, etc. to institute some protection for what will become an "endangered species": the CW operator! If not by actual regulation, then at least by "gentleman's agreement", we must have some segregation of digital and CW modes.

BTW, I think your packet friend is all wet! 7030 is used in Europe for QRP operations, certainly not packet.

Your opinions and comments welcomed!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75, 860 tubes

Butternut HF2V antenna, G-R test gear.....*

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997

From: Peter Barville <peter@barville.demon.co.uk>

Subject: [11080] Re: Band plan question.

Message-ID: <RGmcmHADnN+yEwz7@barville.demon.co.uk>

>Yesterday, I was chatting with a Packet user who said that 7.030 was some
>sort

>of DX Packet frequency. He was blasting away on the frequency yesterday
>morning.

NO! 7030 falls well within the cw segment of the band, and happens to be the QRP frequency over here in Eu. Many years ago, there was an attempt to set up an Amtor mailbox on 7030 (by G3PLX), but the RSGB HF committee asked that he move it into the data section of the band (above 7035).

--

Peter G3XJS

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "JOHN F. McCLUN" <JFM001@DENTAL3.AB.UMD.EDU>
Subject: [11022] RE: Demise of 624 Kits
Message-ID: <30978F3CDD@dental3.ab.umd.edu>

Gang -

Pat Burns, N4LTA, has announced that 624 Kits is no longer selling kits except for the 6 M Amp and transceiver. He does say that he has a lot of excessive inventory left and would like to dispose of it. So contact 624 Kits for pricing list.

624 Kits was another ham run kit supplier for the home builder and experimenter. Is it too many suppliers or not enough home builders? Lets hope Dan's and the other small suppliers don't feel the crunch and close up. It will make this a very difficult hobby to enjoy.

Standard disclaimer (No ties to either).

John N3REY
Always QRP!

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "KF4MZD (John Kemker)" <kemkerj@xyzzzy.net>
Subject: [11042] RE: Demise of 624 Kits
Message-ID: <199702051534.KAA02160@www.xyzzzy.net>

On 5 Feb 97 at 7:40, JOHN F. McCLUN wrote:

> Pat Burns, N4LTA, has announced that 624 Kits is no longer selling
> kits except for the 6 M Amp and transceiver. He does say that he
> has a lot of excessive inventory left and would like to dispose of
> it. So contact 624 Kits for pricing list.

So, how do we get hold of 624 Kits?

=====
73 de KF4MZD (John Kemker)
kemkerj@xyzzzy.net
EM73vt

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Chris Cartwright <ccart@vidtel.com>
Subject: [11059] RE: Demise of 624 Kits
Message-ID: <Pine.LNX.3.93.970205123134.655F-100000@dns.vidtel.com>

On Wed, 5 Feb 1997, JOHN F. McCLUN wrote:

> Pat Burns, N4LTA, has announced that 624 Kits is no longer selling
> kits except for the 6 M Amp and transceiver. He does say that he has
> a lot of excessive inventory left and would like to dispose of it. So
> contact 624 Kits for pricing list.

For them who asked:

"624 Kits" (803) 579-6262 day / 583-1304 eve.
171 Springlake Drive
Spartanburg, SC 29302 (QRP kits & accessories)

-- Christopher Cartwright, Tech. Engineer | ccart@vidtel.com
-- Phone 301.990.0735 N3XRV QRP-L #655 | ccart@erols.com

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: ukii@megsinet.net (ukii)
Subject: [11036] RE: Did you know...
Message-ID: <01BC1339.ACF78EE0@randolph2er1-6.megsinet.net>

Hello Gang

Well,had a few replies about the test equipment adapter as a
antenna connector. One posed a good question...

How would you support the coax,not by the connectot itself...

Well,cant a book (rock in the field) hold down the twin lead?

How about a "Y" shaped stick stuck in the ground near the
tuner with one leg of the dipole wrapped on each end of the
"Y" then a short run to the tuner/rig???

Seems there must be a thousand ways to do this...

If I EVER get one of these kits to WORK,I will go outside
and try it...

I havent built any tuner's yet,but I would imagine you can use a
bnc connector on the tuner kits too.

Anyway,this was a FREE suggestion... hi hi

Best 73 de john

n9ukx

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "William R. Colbert" <V31XE@dzn.com>
Subject: [10999] re: fox AB7TK
Message-ID: <32F81D89.5356@dzn.com>

Thanks Randy for another successful chase. Signal came right over the
or thru the antor on freq. Hope you had a good run. 72/73 Ray

--

Ray Colbert, W5XE, SOWP 1064M, FISTS 2146
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Bob Patten <n4bp@shadow.net>
Subject: [11055] Re: FSFD -- OKLAHOMA First Round Results
Message-ID: <Pine.SOL.3.91.970205115123.20633B-100000@hyper>

On Wed, 5 Feb 1997, Jerry Henshaw wrote:

> I also had 4 QRO contacts as well. Bob N4BP was very
> hard copy but we made it. Thanks for your patience Bob.
>

> KR5L / QRP

>

Tnx for hanging in there Jerry - and for making up my mind - I've got to
put up an antenna for 30M!

Bob Patten, N4BP
Plantation, FL
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: gsurrency@juno.com
Subject: [11009] Re: Ghostscript and Postscript files
Message-ID: <19970204.215247.3326.0.gsurrency@juno.com>

The only way I got that file to print out correctly was to use the
following

DOS command. (for you DOS-heads out there!) 8^)

copy 8044.ps LPT1 /b where LPT1 represents your printer port

The /b means to send the file in it's original binary form so the
postscript
information isn't altered in any way. I can't remember if the file was

compressed as it is stored at the ftp site, so check for a .z or .zip extension indicating that. The appropriate uncompress command in Unix (for you dweebs) or pkunzip command would need to be used in that case. I use WinZip 5.6, as it accomodates either easily in Windoze.

I was using a HP III printer with the HP postscript cartridge. Please be sure your particular brand of printer is set properly before issuing the command.

I'm not familiar with Ghostscript as you mentioned, so if it still doesn't work, perhaps that is the place to look.

Good Luck!

73,

Gary
AB7MY
QRP-L #571

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: launerb@crl.com (William H. Launer)
Subject: [10995] Re: HB: Battery charger to reg supply
Message-ID: <v0153050faf1d9bde086d@[192.0.2.1]>

QRP-L Gang,

Steve's idea is a good one. I use a HB regulated supply similar to what he describes. Mine is a little larger; it uses 4 paralleled power Darlingtons as the pass element, and current limits at 18 Amperes.

The hardest part to find is a suitable transformer (I wound a new secondary on an old TV power transformer). Ideally, you need a transformer with 18 Vrms output to the rectifiers. I just checked the voltage on an old Schauer 10 Amp charger that I have. It measures just a little less than 18 Vrms, so it would be adequate for this application. It's an old one, with either Cu-Oxide or Selenium rectifiers. The newer units with silicon rectifiers may not have a secondary voltage that is quite high enough for 13.8 Vdc, but should be suitable for 12 Vdc (minimum).

The 723 is an old chip, but available at Radio Shack. It takes a few more components than the newer "3-terminal" regulators but a lot of nice features, like "fold-back" current limiting, etc. can easily be added to

a supply using a 723. With "fold-back" current limiting, you can put a dead short across the output without harming the power supply.

A rule of thumb for sizing the storage capacitors is 20,000 microfarads for each 6 Amps output (in this case "more is better"). Also, as Steve said, rf bypassing of the regulator circuitry is important. I also shunt the large output filter cap with a .001 or .01 microfarad ceramic cap.

Power supplies are probably the easiest thing to home brew. If you can build a 38s, I'm sure you can build a power supply! Search flea markets, garage sales, etc. for a suitable charger, and go for it! For the price of a 38s, you can probably build a power supply equal to (or better) than commercial supplies costing 5 - 10 times as much.

72/73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-1 #279 qrp arco #3551
Grid Square EM48RT

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: drowe@juno.com (david o rowe)
Subject: [11041] Re: High speed CW
Message-ID: <19970205.093416.2910.0.drowe@juno.com>

On Wed, 5 Feb 1997 08:42:28 -0500 (EST) Martin Squicciarini
<skitch@resuba.com> writes:
>There has been alot of posts about learning CW and getting you speed
>up
>to 20 WPM but I want to know how do I get to the next level 30-50
>WPM??
>
> 72/73
> Marty Squicciarini NR3Z
> skitch@resuba.com (home)
> msquicci@vf.lmms.lmco.com (work)

>
>
>

no real secret to it. just practice. you get better at speed by learning to hear words instead of letters and by learning to copy behind what is being sent. start listening for small words like (the) (bt) rst, so that you begin to recognize them as they sound not as individual letters.

then move on until you can recognize big common words that will be used.. the real secret is to spend alot of time coping code. so it become a second language to you. you should eventually be able to think in code as easily as you do voice. good luck and stick to it.. 72 & 73 dave kc1di/qrp-- P.S. spent 11 years as an army CW Op.

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [11046] Re: High speed CW
Message-ID: <Pine.3.89.9702050959.I12431-01000000@w3eax.umd.edu>

- 1) Throw away the pen and paper.
- 2) Listen progressively faster.
- 3) Listen more.
- 4) Listen more.
- 5) Listen more.

Eventually, the letters will cease to be letters and will form words in your head much as spoken English does. Unfortunately, one cannot predict WHEN this happens, it just does.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

On Wed, 5 Feb 1997, Martin Squicciarini wrote:

> There has been alot of posts about learning CW and getting you speed up
> to 20 WPM but I want to know how do I get to the next level 30-50 WPM??

>

> 72/73
> Marty Squicciarini NR3Z
> skitch@resuba.com (home)
> msquicci@vf.lmms.lmco.com (work)

>

>

>

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Al Hunter <ahunter@inland.net>
Subject: [11048] Re: High speed CW
Message-ID: <3.0.1.32.19970205073204.006958c8@inland.net>

At 08:42 AM 2/5/97 -0500, Marty, NR3Z wrote:

>There has been alot of posts about learning CW and getting you speed up
>to 20 WPM but I want to know how do I get to the next level 30-50 WPM??
>

Hi Marty....as an old ex-maritime telegraph operator, I might suggest the following.....at speeds beyond 20-25wpm, it becomes extremely difficult to copy letters....start learning to copy words. At the higher speeds, you should learn to copy 'behind', i.e, retaining in memory parts of sentences you've already heard while reading what is being currently sent. Hope this helps a little.

72/73

Al Hunter - AA6SO

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Vic Rosenthal <rakefet@rakefet.com>
Subject: [11054] Re: High speed CW
Message-ID: <32F8B826.5477@rakefet.com>

Scott Rosenfeld NF3I wrote:

>
> 1) Throw away the pen and paper.
> 2) Listen progressively faster.
> 3) Listen more.
> 4) Listen more.
> 5) Listen more.
>
> Eventually, the letters will cease to be letters and will form words in
> your head much as spoken English does. Unfortunately, one cannot predict
> WHEN this happens, it just does.

In my experience, the big jump in copying ability came when I was
forced to write everything down (copying traffic), not when I copied
in my head! Maybe the key (no pun) is that I had to copy 'behind' - to
hear a few words, then write them down - because I'm a clumsy writer.

Vic K2VC0

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Jeremy Cowgar <jcowgar@villers.com>
Subject: [11061] RE: High speed CW
Message-ID: <01BC1360.D3B9AB40@jcowgar.villers.com>

What about typing on a computer? Most hams probly now have computers in =
their shack and I would venture to say that most can type faster than =
they would ever wish to recieve code. That's how I do it, however my =
recieve ability is about 7 wpm :) Just recently got back into it and I =
am improving everyday. Soon I'll go for my general.

Jeremy N. Cowgar - jcowgar@villers.com
Villers Enterprises, Inc. - VEI of Ohio
7845 Wales Ave. NW.
North Canton, Ohio 44720

Phone: 330-305-0922
Fax: 330-305-0822
URL: <http://www.villers.com/>

-----Original Message-----

From: Vic Rosenthal [SMTP:rakefet@rakefet.com]
Sent: Wednesday, February 05, 1997 11:41 AM
To: Low Power Amateur Radio Discussion
Subject: Re: High speed CW

In my experience, the big jump in copying ability came when I was
forced to write everything down (copying traffic), not when I copied
in my head! Maybe the key (no pun) is that I had to copy 'behind' - to
hear a few words, then write them down - because I'm a clumsy writer.

Vic K2VC0

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [11016] Re:How low is low?
Message-ID: <M1270905.005.49bf4.1.970205061403Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Paul:

I don't know about a .25 wavelength loop, but I use a halfwave loop at times. I have a 40m full wave diamond loop, fed with 300 ohm twinlead to a balanced tuner. I also use this antenna on 80m where it is just a half wave. The feedline is a 40m halfwave long, so it's a quarter wave on 80m. That way, it makes a high Z to low Z transformer so my tuner sees a low impedance on 80m. Matches well and have worked from SF Bay area up into Canadian Yukon on 80m. Also to TN (but it was marginal!). My loop is in the vertical plane, but a horizontal loop would also work. I have a horizontal 40m triangular loop on the roof, also fed with 300 ohm line to the balanced tuner. Loads and radiates ok on 80m also. Certainly not as good as an 80m loop, but you go with what you can put up in the real world.

Regarding limbs touching wires. If it is at a low impedance point, like the middle of a halfwave dipole, absolutely no problem. Consider a metal beam, with the elements bolted to the boom at their centers.

If the contact is at the end of a halfwave, maybe problems, depending upon the nature of the contact. If it is a dead dry branch or twig, probably little serious effect. If it's a live wet branch, probably some effect--increased swr, need to tweak antenna tuner a bit. Won't stop you from radiating, however.

The loop is a balanced antenna, like a dipole. When you connect coax to it as a feedline, you are not getting a shielded line. You just have two concentric conductors, and the outer one is subject to any signal/noise in the area. You are better off using 300 or 450 ohm balanced line, as they have little or no pickup of external signals, so long as the total system remains balanced.

At the shack you should be using a balanced tuner. If you connect the twinlead to a coaxial connector on an unbalanced tuner, you degrade the system balance and make it less resistant to noise pickup.

A side benefit is that 300 ohm line is lots cheaper than coax, and has lower losses for the same lengths.

A key thing to remember when bringing the line from the antenna to the shack, if you pass power lines try to go at right angles to them. This minimizes any potential coupling between them.

Regarding "low". The serious answer is "It Depends".

20 ft in the air is pretty good on 10m. On 80m it will generate signals mostly in a straight up direction. Much less in the horizontal direction. In other words, not high enough.

How high is "high enough"? Basically that is as high as you can put your antenna in a practical sense. In other words, if you can get your antenna up to 30 ft high, don't settle for 20 ft. There is a much greater improvement going from 20 ft to 30 ft, than from 30 ft to 45 ft.

Another consideration is what antenna type? A loop works best if all sides are at the same height if horizontal, or else in a vertical plane. However, many hams are getting along just fine with a loop sloping somewhere between vertical

and horizontal. Like I said a ways back, you go with what you can get. The results may surprise you.

If you are hanging a dipole, get the center up as high as possible. That's what the inverted vee is all about. The central portion of the antenna does the bulk of the radiating, so it just makes sense to get it up as high as possible. The ends mostly bring the antenna to resonance, so they can be lower down.

Hope this gives you a few ideas, Paul.
72/73, Bob N6WG

Rule of Thumb--Put up the best antenna you can within the limits of your situation, then sit back and enjoy it.

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [11083] Re: Loops

I've run a couple of 40m vertical loops through EZNEC and have posted the results to my web page at:

<http://people.delphi.com/CecilMoore>

73, Cecil, W6RCA, 00TC

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [11007] Re: N/T FOX Wednesday
Message-ID: <Pine.SUN.3.90.970204204909.2150B-100000@vortex.sage.dri.edu>

Hi Barry,

I bagged the Idaho fox tonight, Tuesday 4 Feb.

I will be looking for you tomorrow night if I get home in time.....

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
Subject: [11095] Re: NC38S T1/TC1
Message-ID: <1.5.4.16.19970205224210.1ccf91c2@mail49.mci2000.com>

At 05:57 AM 2/5/97 -0800, you wrote:

>Just finished the 38 Special and having a small problem. I am hearing the
>RTTY at the high end and also several CW stations, but can't seem to peak
>TC1. I get one small peak thru the tuning range of TC1 (I believe there
>should be 2 distinct peaks). Is there a simple way to determine if turns
>should be increased or decreased on the secondary of T1? My 38S is the
>stock version with no mods. I have limited test equipment.....a frequency
>counter, a digital VM and an old GDO. Thanks for any help.

>

>Al Hunter - AA6SO

>

I had to take off two turns to make mine turn properly, but
I wind my toroids very tightly.

72 and GL.....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com		__o Cascade 17/40 SSB
Fenton, MI		_'\<, Mizuho 17/40 SSB
...	(*)/(*)	...

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
Subject: [11068] Re: NTE
Message-ID: <v03010d00af1e7dce2a84@[132.235.72.11]>

>Help! I'm sitting here clicking away and can't find what I know I saw. I
>had found a website for NTE to determine characteristics of their
>transistor and suitable substitutions. I am looking for replacements for
>the MJE171, MJE181 transistors. I DID NOT remember to save the bookmark.

>

>Can anyone help me before my index finger dies from exhaustion?

>

>TIA

>

>Elliott WA6TLA

Sure!

<http://www.nteinc.com/>

73 de NS80

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Elliott Lawrence <edl@pacbell.net>
Subject: [11069] RE: NTE
Message-ID: <32F8CC7E.7DF7@pacbell.net>

Thanks for all of the responses. That was quick.

vy 72/73
Elliott WA6TLA

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Bob Patten <n4bp@shadow.net>
Subject: [11081] Re: NTE
Message-ID: <Pine.SOL.3.91.970205145942.23279B-100000@hyper>

On Wed, 5 Feb 1997, Elliott Lawrence wrote:

> Help! I'm sitting here clicking away and can't find what I know I saw. I
> had found a website for NTE to determine characteristics of their
> transistor and suitable substitutions. I am looking for replacements for
> the MJE171, MJE181 transistors. I DID NOT remember to save the bookmark.
>
> Can anyone help me before my index finger dies from exhaustion?
>
<http://www.nteinc.com>

Bob Patten, N4BP
Plantation, FL
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997

From: NilsBull@aol.com
Subject: [10986] Re: One Nils on the list es bastante, no?
Message-ID: <970204165002_-2011352968@emout17.mail.aol.com>

Jon (y el resto de la red... o cualquier cosa...),

Me gustaria leer un ejemplo del periodico "Radioaficionados." Pues, digame, cuanto cuesta un ejemplo para que pudiera pagartelo, eh? Y no temas el idioma de los gringos del sur. Somos todos analfabetistas asi, como en Kentucky o Tennessee... o el estado de mi nacimiento, Tejas, donde el idioma mas correcto es el mexicano.

Ademas, creo que Radio Nacional de Espan~a, en transmisiones hasta el mundo, tambien transmite en Catalan y Vasco. Muy interesante este mundo diversificado, no?

73 & buena suerte con la NC38S, compan~ero. La mia llego hoy, como asi informe ayer.

Nils
WB8IJN +c
(....un traduccion en turques seguira la de noruego...y de las nutrias de queso... y de los tejones sagrados...je...je...je.....je..je...)

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [11011] Re: One Nils on the list es bastante, no?
Message-ID: <v01540b00ad3b42de0998@[157.142.8.152]>

(snip)

>Nils
>WB8IJN +c
>(....un traduccion en turques seguira la de noruego...y de las nutrias de queso... y de los tejones sagrados...je...je...je.....je..je...)

Yep, my gradpappy always sed that ya gotta watch out fer them nutrias de queso...

Mike N5JKY
Edmond, OK

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Larry East <w1hue@amsat.org>
Subject: [10987] RE: QRMing the FOX
Message-ID: <2.2.16.19970205001831.1c378edc@eloi>

>C'mon guys....think abt it. 1 KHz is not enough separation when there
>is a fox working.
>

Hmmm... Sounds like you need a better filter!! I was digging him out of
strong QRM less than 200Hz away last night.

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [10998] RE: QRMing the FOX
Message-ID: <Pine.A41.3.95.970204201959.19264B-100000@hector.NMSU.Edu>

Larry:

It's not a matter of how good your filters are. I enjoy trying to work
the fox in qrm. What I don't appreciate are QRP-Lers that work the FOX
then stay within 1 khz and work the Sprint. Something is wrong with that,
in my humble opinion.

Tim AB50U

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Larry East <w1hue@amsat.org>
Subject: [11049] RE: QRMing the FOX
Message-ID: <2.2.16.19970205153238.271f70ae@eloi>

At 08:21 PM 2/4/97 -0700, Tim AB50U wrote:

>Larry:

>

>It's not a matter of how good your filters are. I enjoy trying to work
>the fox in qrm. What I don't appreciate are QRP-Lers that work the FOX
>then stay within 1 khz and work the Sprint. Something is wrong with that,
>in my humble opinion.

>

Guess it depends on how you look at it. Personally, I consider it a challenge and simply crank up my "esp filter". (I might cuss a little under my breath tho... :-) Maybe I'll expound sometime on "tricks" to help pull weak stations out of the QRM; been doing it for over 40 years now.

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [11051] RE: QRMing the FOX
Message-ID: <Pine.SUN.3.90.970205074740.3548G-1000000@vortex.sage.dri.edu>

On Wed, 5 Feb 1997, Larry East wrote:

> Guess it depends on how you look at it. Personally, I consider it a
> challenge and simply crank up my "esp filter". (I might cuss a little under
> my breath tho... :-) Maybe I'll expound sometime on "tricks" to help pull
> weak stations out of the QRM; been doing it for over 40 years now.

I agree with Larry. When you really think about it, there is not much challenge in sending and receiving a sig from one place to another. Just need a little help from the Keepers of the Spots!

But, to copy a weak sig with some QRM, now that can be a big challenge! Learning to use the filters, including the ones in your head, is a challenge. I even did the VBT mod to the 40a just to be able to use the radio in a crowded band.

All radios really should have a switch to turn the AGC off and all radios should have narrow filters. When we use little rigs that don't have these features, we can't blame other operators. We could always modify our radios to work better. Guess that's another challenge!

Gotta run, two foxi in a row.....looking for more.....even grabbed a Ohio FSFD for good measure!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [11057] RE: QRMing the FOX
Message-ID: <v01540b00af1e6a03dfcd@[157.142.56.167]>

(snip)

>

>All radios really should have a switch to turn the AGC off and all
>radios should have narrow filters. When we use little rigs that don't
>have these features, we can't blame other operators. We could always
>modify our radios to work better. Guess that's another challenge!

>

(snip)

>

>cul,

>

>73, Ron, SOWP 5545M,

>

>.....KU7Y

For a neat, easy to build, outboard CW filter, check out the homepage of George Rosenberg, KC6WDK. He has an article for building a Q-multiplier. This device, familiar to those who have used older Drake and Heath gear, greatly increases the ability to separate Morse Code signals by enhancing a particular audio frequency while attenuating the others. I tacked one of these together using a Radio Shack generic IC circuit board, and it dramatically improved the selectivity of the 49er (got rid of the SW stations, too). I haven't tried it yet with the 38S, but I'm sure that it will work well. George's URL, which describes several neat QRP projects, is

<http://www.ybi.com/brink/qrp/>.

Mike N5JKY
Edmond, OK

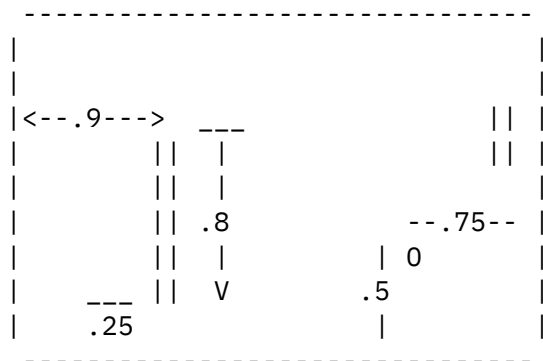
From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: JEVERHART@cayman.vf.mmc.com
Subject: [11066] Re: Rainbow Tuner
Message-ID: <970205130212.20205ab6@cayman.vf.mmc.com>

Steve you wrote:

```
>While I am waiting for the receipt of my NC38S I am trying to design a case
>that will hold both the 38S and the Rainbow tuner. Does anyone know where
>I can find the dimensions of the tuner and the dimensions and quantity and
>size of the controls/displays for it? I have searched the web but don't
>seem to find that data.
```

Well, here is some info for you! I've included a crude ASCII sketch of the pc board outline below. There are only three "controls" on the board itself, the rainbow display, on the left hand side, a toroid tap jumper strip on the upper right and a board-mounted variable capacitor on the lower right.

The display sits up about a half to 3/4 inch above the board with LEDs plugged into a SIP socket. Alternatively the LEDs could be out-boarded via a connector plugged into the SIP socket. The jumper strip has a jumper plug like the computer boards use to select the proper tap and the board mounted cap is actually a mica compression trimmer.



Rainbow	Jumper	Trimmer
Display	Strip	Capacitor

Hope this helps.

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com (for now...)
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: JEVERHART@cayman.vf.mmc.com
Subject: [11071] Re: Rainbow Tuner
Message-ID: <970205130816.20205ab6@cayman.vf.mmc.com>

Steve et al,

Whoops! I forgot to mention that the Rainbow Bridge/Tuner board is about 2x3 inches and that you probably want to allow space for connecting up a dpdt toggle switch to terminals on the left hand side of the board for switching the bridge in-line with your transmitter during tuneup out bypassing it once you are all tuned and ready to go.

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [11062] Re: Results Feb 5
Message-ID: <199702051733.LAA06789@multi13.netcomi.com>

Ain't life funny!

I was tuning up and down the band, sneaking peaks between RTTY tones looking for Randy. Didn't know exactly who I was looking for since he changed his call.

Kept coming across this S9+ signal in QS0. Listened for a bit and found out that he was running 1.2kW. Figured this was about as far from a fox as I could get and skedaddled out of there! From then on, I very carefully avoided that frequency.

Wouldn't you know, that wily fox was hiding under a woolly mammoth!

After a while, the mammoth lumbered off and I heard a little squeak, "F*X de AB7TK". Could this be a fox in disguise? Sure enough, there he was.

Clever, Randy, hiding that way. The mammoth also cleared out all the digital stuff.

Thanks for the QSO.

Mike K1MG

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Randy Foltz <rfoltz@wsunix.wsu.edu>
Subject: [11090] Re: Results Feb 5
Message-ID: <Pine.OSF.3.95.970205133133.11351E-100000@unicorn.it.wsu.edu>

On Wed, 5 Feb 1997, Michael A. Gipe wrote:

> Wouldn't you know, that wily fox was hiding under a woolly mammoth!
>
> After a while, the mammoth lumbered off and I heard a little squeak, "F*X
> de AB7TK". Could this be a fox in disguise? Sure enough, there he was.
>
> Clever, Randy, hiding that way. The mammoth also cleared out all the
> digital stuff.
>

Well, Mike, I'd like to say I planned it that way, but it wouldn't be true. He called and asked "Who is FOX?" so we chatted a while. I think you're right, the digitals left after he stomped around. Maybe we should get mammoths to wallow out a little elbow room for us on FOX nights. :)

72,
Randy
AB7TK ARCI QRP-L NORCAL NWQRP ARS
Moscow, ID

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Matt <cnw@HiWAAY.net>
Subject: [11098] Re: Young Ham with us
Message-ID: <32F97BC9.1203@HiWAAY.net>

Bob Follett wrote:

>
> Gang:
>

> <<My name is Matt. My age is 16 years old. My call is AE4JM. I am
> just now getting on the internet and getting an email address. So I
> just subscribed to QRP-L last night >>
>
> Hey, look at that! someone joining our ranks under the age of 40!!
>
> Welcome aboard, Matt. I am sure we will all try our darneest to keep you happy
> here.
>
> 73, Bob
> -----
> Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
> 2861 Estates Dr. VOICE: 801.649.6457
> Park City, UT 84060 E-mail: bfollett@ditell.com
Hey Bob,
It is great to hear from you. It looks like we have caused a
little
disturbance by the comment Hey look at that! someone joining the ranks
under the age of 40! Hee Hee! Well everyone is as young as they feel.
And you are not old until you say your old. That is the way I look at
it
Bob. I was just putting in my 2 cents worth so that some wouldn't get
mad or startled up. Hee Hee! Well Bob, I am really grateful to be on
the QRP-L and very lucky to be on. I was wondering if you send anymore
mail, please just send it to me and leave the Cc: blank, unless you want
the other QRP-L members to see the message. I don't mind that, but I
switched over to the Daily Digest on QRP-L and I noticed that I wasn't
getting every message. That way if you just send it to me at
cnw@HiWAAY.net then I know I'll get it. So Bob what's new? Anything
on the workbench? We'll CUL. Best 72 DE Matt, AE4JM
cnw@HiWAAY.net

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [10992] Re: [10826] Feb. NorCal Meeting Report
Message-ID: <199702050221.SAA13916@sierra.psnw.com>

I wanted to clarify a few points by quoting a couple previous posts:

From: Doug Hendricks
>
> Bill Jones, KD7S brought his 38 Special that he has told you about on
> the net, you know the one that works perfectly, right out of the box,
> and has no key thump!!

>From Doug Faunt (N6TQS)

>I hate to say this, but it sounded to me like his thumped just like
>the rest of them at the meeting.

Doug's observation that my 38 Special does indeed have some thumps on key-up is quite correct. However, I didn't realize they were there until a few days ago. There are two reasons I didn't notice them. First, I'm somewhat hearing impaired (I wear two hearing aids) and don't always hear what others do. Second, the thumps are certainly nothing like I've heard others describe. When my 38 Special is connected to an antenna, I don't think anyone could hear the thumps. On the other hand, because the receiver is s-o-o-o quiet, when the rig is connected to a dummy load you can hear some thumping. When I demonstrated my rig at the recent NorCal meeting it was always connected to a dummy load. So Doug, I'll split the difference with you. Yes, there **is** a thump on key-up, but it's almost imperceptible under normal operating conditions.

=====
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
=====

From owner-qrp-l@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: wylde@nccn.net (Grover, K7TP)
Subject: [11002] Re: [10826] Feb. NorCal Meeting Report
Message-ID: <v02130502af1db6b162ee@[205.139.74.211]>

At 6:21 PM 2/4/97, Bill Jones wrote:

>anyone could hear the thumps. On the other hand, because the receiver is
>s-o-o-o quiet, when the rig is connected to a dummy load you can hear some
 ^^^^^^^^^^

Well in that case, I've got a problem. My receiver is noisy as all get out, even with the input shorted. I assumed that this was the way of the world but I notice that others are now referring to the "quiet" receiver. Guess I have to go poking around some more.

Grover

- - -

P. Grover Cleveland K7TP (ex WT6P, KC7IW, WA6WJV) E.M.T.1A
QRP/ARCI 3795 / ARS 101 / Norcal 216 / QRP-L #669
Archaeominiferroequinologist / Fairmont Speeder Pilot
Certified Steam Locomotive Fireman / Certifiably Loony

Can also be found at: cleveland@usa.net or 71213.2741@compuserve.com
<http://ourworld.compuserve.com/homepages/gcleveland>

From owner-qrp-1@Lehigh.EDU Wed Feb 5 18:02:25 1997
From: Dan Halbert <halbert@BBN.COM>
Subject: [11050] Re: [10870] Re: Antenna suggestions: Loops
Message-ID: <199702051537.KAA24177@halite.Diamond>

Paul Valko asks:

- >1) Does a loop need to be "cut" for a particular frequency or can any
> random but greater than .25 wavelength work with a tuner?

The circumference of the loop should be at least a wavelength at the lowest frequency you want to use. The ARRL books give $1005/f(\text{MHz})$ as the formula for a full-wave loop (gives length in feet). They are actually talking about quads, but it's the same thing.

- >2) How does a tree limb affect the antenna if the wire touches a limb?

I haven't noticed any problem at all.

- >3) How low is "too low?"

My 40m horizontal loop is vertically challenged, at 22 feet. It's not great, obviously, but I have worked western Russia on 40m QRP. Of course on the higher bands, it's better.

- >4) How terrible would it be to use 100' of good coax to feed the loop?

Either the ARRL Handbook or Antenna book (or both) have a reprint of an article (1985 QST, I think) called "The Loop Skywire", in which the author feeds a horizontal loop with coax. He thinks it's OK, but the discussion is not very technical. I don't know whether the SWR would be high enough to cause significant loss.

Our own very helpful LB Cebik has done some horizontal loop modelling, notably triangles fed at apex. I've saved the messages, but if you want to look in the QRP-L archives, they are the 6th, 10th, 11th, and 19th of June 1996.

I have sometimes used a 4:1 balun and ATU and sometimes an ATU alone. I only used the balun when I couldn't tune it up without it. Right now my feedline length is such that I don't need the balun. A wider-range

ATU would probably be able to handle it all the time.

Dan, KB1RT